

| | | | | | | | | |
|--|--|---|--|--|--|------------------------|------------------------------------|--|
| SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS <i>OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30</i> | | | | 1. REQUISITION NUMBER PR-OAR-18-00744 | | PAGE OF 1 3 | | |
| 2. CONTRACT NO. EP-W-16-015 | | 3. AWARD/ EFFECTIVE DATE 07/09/2018 | | 4. ORDER NUMBER 68HE0H18F1534 | | 5. SOLICITATION NUMBER | | |
| 6. SOLICITATION ISSUE DATE | | | | | | | | |
| 7. FOR SOLICITATION INFORMATION CALL: | | a. NAME Michael Fox | | | b. TELEPHONE NUMBER (No collect calls) 202-564-2550 | | 8. OFFER DUE DATE/LOCAL TIME ET | |
| 9. ISSUED BY HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460 | | | | 10. THIS ACQUISITION IS <input checked="" type="checkbox"/> UNRESTRICTED OR <input type="checkbox"/> SET ASIDE: % FOR: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> HUBZONE SMALL BUSINESS <input type="checkbox"/> SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS </div> <div> <input type="checkbox"/> WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOMEN-OWNED SMALL BUSINESS PROGRAM <input type="checkbox"/> EDWOSB <input type="checkbox"/> 8(A) </div> <div> NAICS: 541620 SIZE STANDARD: \$15.0 </div> </div> | | | | |
| 11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input type="checkbox"/> SEE SCHEDULE | | 12. DISCOUNT TERMS | | 13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700) <input type="checkbox"/> | | 13b. RATING | | |
| 15. DELIVER TO OAR/OAP US Environmental Protection Agency 1200 Pennsylvania Avenue NW Mail Code: 62101J OAR/OAP Washington DC 20460 | | 16. ADMINISTERED BY HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460 | | 14. METHOD OF SOLICITATION <input type="checkbox"/> RFQ <input type="checkbox"/> IFB <input type="checkbox"/> RFP | | | | |
| 17a. CONTRACTOR/ OFFEROR WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972 <div style="border: 1px solid black; padding: 2px; display: inline-block;">(b)(4)</div> | | 17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER | | 18a. PAYMENT WILL BE MADE BY RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 | | | | |
| 19. ITEM NO. | | 20. SCHEDULE OF SUPPLIES/SERVICES | | 21. QUANTITY | | 22. UNIT | | |
| 23. UNIT PRICE | | 24. AMOUNT | | | | | | |
| 25. ACCOUNTING AND APPROPRIATION DATA See schedule | | 26. TOTAL AWARD AMOUNT (For Govt. Use Only) \$153,510.68 | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> 27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4. FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA <input checked="" type="checkbox"/> 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED. ADDENDA </div> <div> <input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED. <input type="checkbox"/> ARE <input checked="" type="checkbox"/> ARE NOT ATTACHED. </div> </div> | | | | | | | | |
| <input type="checkbox"/> 28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED. | | | | <input type="checkbox"/> 29. AWARD OF CONTRACT: _____ OFFER DATED _____. YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS: | | | | |
| 30a. SIGNATURE OF OFFEROR/CONTRACTOR | | | | 31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER) | | | | |
| 30b. NAME AND TITLE OF SIGNER (Type or print) | | 30c. DATE SIGNED | | 31b. NAME OF CONTRACTING OFFICER (Type or print) Michael C. Fox | | 31c. DATE SIGNED | | |

| 19. ITEM NO. | 20. SCHEDULE OF SUPPLIES/SERVICES | 21. QUANTITY | 22. UNIT | 23. UNIT PRICE | 24. AMOUNT |
|-----------------|---|-----------------|-------------|-------------------|---------------|
| 0001 | <p>\$153,510.68.</p> <p>This is a Time-and-Materials (T&M) task order with a total ceiling price of \$153,510.68, which the Contractor is not authorized to exceed. The Contractor exceeds at its own risk.</p> <p>The total obligated/funded ceiling amount for this order is currently \$17,640.88. This order is incrementally funded as detailed in Attachment B Summary of Amounts and Ceilings and Attachment B is hereby incorporated (1 page).</p> <p>Contracting Officer's Representative (COR): Macy Taylor, (202) 343-9183, Macy.Taylor@epa.gov</p> <p>Alternate COR: Melissa Puchalski, (202) 343-9882, Puchalski.Melissa@epa.gov</p> <p>The services of this order are for severable. TOCOR: Melissa Puchalski Period of Performance: 07/09/2018 to 07/08/2019</p> <p>Tribal Base Operations</p> <p>Accounting Info: 18-19-C-58D5-000A45-2505-1858DC8052-001 BFY: 18 EFY: 19 Fund: C Budget Org: 58D5 Program (PRC): Continued ...</p> | | | | |

32a. QUANTITY IN COLUMN 21 HAS BEEN

☐ RECEIVED ☐ INSPECTED ☐ ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED: _____

| | | | | |
|---|------------------------|---------------------------------|---|-----------------------|
| 32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | | 32c. DATE | 32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | |
| 32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE | | | 32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE | |
| | | | 32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE | |
| 33. SHIP NUMBER | 34. VOUCHER NUMBER | 35. AMOUNT VERIFIED CORRECT FOR | 36. PAYMENT | 37. CHECK NUMBER |
| <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL | | | <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL | |
| 38. S/R ACCOUNT NUMBER | 39. S/R VOUCHER NUMBER | 40. PAID BY | | |
| 41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT | | 42a. RECEIVED BY (Print) | | |
| 41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER | | 42b. RECEIVED AT (Location) | | |
| | | 42c. DATE REC'D (YY/MM/DD) | | 42d. TOTAL CONTAINERS |

NAME OF OFFEROR OR CONTRACTOR
WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|---|-----------------|-------------|-------------------|---------------|
| | 000A45 Budget (BOC): 2505 DCN - Line ID: 1858DC8052-001 Funding Flag: Complete Funded: \$15,000.00 Accounting Info: 17-18-B-58D5-102A45-2505-1858DC8052-002 BFY: 17 EFY: 18 Fund: B Budget Org: 58D5 Program (PRC): 102A45 Budget (BOC): 2505 DCN - Line ID: 1858DC8052-002 Funding Flag: Complete Funded: \$2,640.88 | | | | |

ATTACHEMENT A

Statement of Work

Title: Tribal Base Operation of the Network
Contract #: EP-W-16-015
Project #: 2004
Period of Performance: 7/9/2018 to 7/8/2019

EPA Key Personnel

Task Order Project Officer (TOPO)/Contract Level Project Officer (PO):

Melissa Puchalski
Clean Air Markets Division (OAP/OAR/CAMD)
1200 Pennsylvania Ave., NW
Mail Code 6204M
Washington, DC 20460
phone: (202) 343-9882
email: puchalski.melissa@epa.gov

Alternate TOPO:

Taylor Macy
Clean Air Markets Division (OAP/OAR/CAMD)
1200 Pennsylvania Ave., NW
Mail Code 6204M
Washington, DC 20460
phone: (202) 343-9183
email: macy.taylor@epa.gov

Contracting Officer (CO):

Mike Fox
Contracting Officer
Administrative Contract Service Center
1200 Pennsylvania Ave N.W.
Mail Code 3803R
Washington DC 20460
phone: (202) 564-2550
email: fox.michael@epa.gov

STATEMENT OF WORK

I. INTRODUCTION

The Clean Air Status and Trends Network (CASTNET) is a long-term environmental monitoring network that measures changes in ambient air quality and assesses atmospheric deposition over broad geographic regions of the U.S. (<https://www.epa.gov/castnet>). Operating since 1987, CASTNET has evolved into a robust regional monitoring program which currently consists of approximately 95 monitoring stations nationwide. The Environmental Protection Agency (EPA) coordinates the operation of the network in cooperation with numerous federal, tribal, state and local partners.

The primary monitoring objectives of CASTNET are to:

- Provide high quality data on atmospheric deposition, rural ground level ozone and other forms of atmospheric pollution;
- Support the primary and secondary ozone NAAQS and provide data on NAAQS compliance in rural areas;
- Monitor the status and trends in regional air quality and atmospheric deposition;
- Assess and report on geographic patterns and long-term, temporal trends in ambient air pollution and atmospheric deposition;
- Improve our understanding of PM and ozone formation;
- Validate and improve atmospheric models;
- Provide data for health-based research and epidemiology studies;
- Assess the effectiveness of EPA's emission reduction programs; and
- Support science and ecosystem studies.

CASTNET sites measure weekly average concentrations of sulfate (SO_4^{2-}), nitrate (NO_3^-), ammonium (NH_4^+), sulfur dioxide (SO_2), nitric acid (HNO_3), chloride (Cl^-) and the base cations (Na^+ , K^+ , Mg^{2+} and Ca^{2+}) using a 3-stage filter pack. In addition, each site may make ancillary measurements, including hourly ozone (O_3), hourly meteorology, ammonia (NH_3) gas using passive devices, and trace-level gases. Trace-level gas monitors include reactive oxidized nitrogen (NO_y), nitric oxide (NO), sulfur dioxide (SO_2) and carbon monoxide (CO). CASTNET O_3 , meteorological, and trace gas measurements follow the requirements in the Code of Federal Regulations (CFR) and EPA's Quality Assurance Handbook.

II. PURPOSE

The primary purpose of this task order is to provide for routine activities and provisions associated with operating the CASTNET base program at Tribal monitoring sites. All tasks shall be performed in accordance with the contract's Statement of Work.

Tasks performed under this task order will cover the operation of all CASTNET tribal monitoring sites, excluding all sites covered under Task Order 2003.

III. CONTRACT LEVEL STATEMENT OF WORK REFERENCE

The tasks to be performed under this task order are consistent with the activities authorized in CLINs 1 through 21 of the contract's Statement of Work.

IV. TECHNICAL DIRECTION

1. Prepare a Proposal

The Contractor shall prepare a Task Order Technical and Cost Proposal in accordance with the terms and conditions of contract clauses B.2 entitled Fixed Rates for Services – Indefinite delivery/Indefinite quantity contract.

2. Base Operations

The contractor shall perform the tasks and subtasks listed in the SOW for Task Order 2004 as delineated in the CASTNET V contract SOW and Amec Foster Wheeler's proposal. Descriptions of the technical approach and methods are found in the CASTNET QAPP v 9.0 and Amec Foster Wheeler's technical proposal. The number of applicable sites, units and estimated hours for the tasks and CLINs, as described in the contract's SOW, that shall be delivered are as follows:

| CLIN | DESCRIPTION | SITES | UNITS | HOURS |
|-------------|--|-------|-------|-------|
| 2 | Dry Dep Filterpack w/ operator | 1 | 12 | 70 |
| 3 | Dry Dep Filterpack w/o operator | 5 | 60 | 349 |
| 4 | Ozone Monitoring w/ operator | 1 | 12 | 70 |
| 5 | Ozone Monitoring w/o operator | 2 | 21 | 123 |
| 7 | Meteorology w/o operator | 1 | 12 | 6 |
| 14 | Filter Media Analysis | 6 | 355 | 0 |
| 16 | Operation of an NADP AMoN site collocated with CASTNET | 1 | 12 | 2 |
| TOTAL HOURS | | | | 636 |

Attachment 1 describes which tasks and CLINs shall be performed at each site. The table above is a summary of Attachment 1. The table above shows SITE/YEAR as the number of CLINs ordered for that site per *12-months*. The UNIT is the number of site-months ordered for each CLIN.

V. DELIVERABLES AND SCHEDULE

1. Proposal

The contractor shall deliver a Task Order Technical and Cost Proposal in accordance with clause B.7 Task Order Ordering Procedures of the contract. The proposal shall be submitted 10 days after receipt of the SOW.

2. Monthly Progress Report

The contractor shall prepare and submit a monthly progress report by the 15th of each month summarizing the progress made, issues encountered or expected, work planned for the next reporting period and costs. These reports shall comply with contract clauses F.3 Reports of Work and F.5 Monthly Progress Report. Reports shall be delivered electronically.

3. Additional Deliverables

The contractor shall deliver the following reports electronically (as required under Task Order 2003) and will include data from the Tribal monitoring sites under this Task Order. Duplicate reports shall not be submitted.

| | |
|--------------------------|--|
| Daily Data Submittal | 24 hours from collection of data |
| Monthly Data Submittal | at the end of each month |
| Quarterly Data Submittal | 120 days after completion of each quarter |
| Quarterly Data Report | 90 days after completion of each quarter |
| Annual Report | Draft August 15, 2017 |
| QA Quarterly Report | 30 days after completion of quarters 1, 2, 3 |
| QA Annual Report | 30 days after completion of quarter 4 |

Distribution of Deliverables:

| Addressee | Copies |
|---|--------|
| EPA Contracting Officer (Mike Fox) | 1 |
| EPA Project Officer (Melissa Puchalski) | 1 |
| EPA Alternate (Taylor Macy) | 1 |

Attachment 1. Matrix of CLINs by CASTNET Site ID

| SITE_ID | CLINs | | | | | | |
|----------------|--------------|----------|----------|----------|----------|-----------|-----------|
| | 2 | 3 | 4 | 5 | 7 | 14 | 16 |
| ALC188 | 12 | | 12 | | | 59.11 | 12 |
| CHE185 | | 12 | | | 12 | 59.11 | |
| KIC003 | | 12 | | | | 59.11 | |
| NPT006 | | 12 | | 12 | | 59.11 | |
| RED004 | | 12 | | | | 59.11 | |
| SAN189 | | 12 | | 12 | | 59.11 | |
| total | 12 | 60 | 12 | 24 | 12 | 355 | 12 |
| counts | 1 | 5 | 1 | 2 | 1 | 6 | 1 |

ATTACHMENT B
SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

| Total Funding/Obligation Amounts | | | |
|----------------------------------|-----------------|--------------------|--------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | - | \$17,640.88 | \$17,640.88 |
| Total | - | \$17,640.88 | \$17,640.88 |

| Total Task Order Ceiling | | | |
|--------------------------|-----------------|---------------------|---------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | - | \$153,510.68 | \$153,510.68 |
| Total | - | \$153,510.68 | \$153,510.68 |

Note: This task order is incrementally funded in accordance with contract clause B.5 Limitation of Government's Obligation (EPA-B-32-103).

| | | | | | | | |
|--|---|-------------------|--|---|--|--------------------------------|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | | 1. CONTRACT ID CODE | | PAGE OF PAGES | |
| | | | | | | 1 2 | |
| 2. AMENDMENT/MODIFICATION NO. | | 3. EFFECTIVE DATE | | 4. REQUISITION/PURCHASE REQ. NO. | | 5. PROJECT NO. (If applicable) | |
| P00001 | | See Block 16C | | PR-OAR-18-01161 | | 2004 | |
| 6. ISSUED BY | | CODE | | 7. ADMINISTERED BY (If other than Item 6) | | CODE | |
| HPOD | | | | | | | |
| US Environmental Protection Agency | | | | | | | |
| William Jefferson Clinton Building | | | | | | | |
| 1200 Pennsylvania Avenue, N. W. | | | | | | | |
| Mail Code: 3803R | | | | | | | |
| Washington DC 20460 | | | | | | | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) | | | | (x) | | | |
| WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. | | | | | | | |
| Attn: JOSEPH FARRELL | | | | | | | |
| 751 Arbor Way | | | | 9A. AMENDMENT OF SOLICITATION NO. | | | |
| Ste 180 | | | | | | | |
| Blue Bell PA 194221972 | | | | 9B. DATED (SEE ITEM 11) | | | |
| | | | | | | | |
| | | | | x | | | |
| | | | | 10A. MODIFICATION OF CONTRACT/ORDER NO. | | | |
| | | | | EP-W-16-015 | | | |
| | | | | 68HE0H18F1534 | | | |
| | | | | 10B. DATED (SEE ITEM 13) | | | |
| | | | | 06/28/2018 | | | |
| CODE 038086125 | | FACILITY CODE | | | | | |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS | | | | | | | |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. | | | | | | | |
| 12. ACCOUNTING AND APPROPRIATION DATA (If required) | | | | Net Increase: | | \$50,000.00 | |
| See Schedule | | | | | | | |
| 13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14. | | | | | | | |
| CHECK ONE | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. | | | | | | |
| | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). | | | | | | |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: | | | | | | |
| X | D. OTHER (Specify type of modification and authority) FAR 52.232-22 Limitation of Funds | | | | | | |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not. <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office. | | | | | | | |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) | | | | | | | |
| DUNS Number: 038086125 | | | | | | | |
| The purpose of this modification is to add incremental funding in the amount of \$50,000.00 to this task order. | | | | | | | |
| This is a Time-and-Materials (T&M) task order with a total ceiling price of \$153,510.68, which the Contractor is not authorized to exceed. The Contractor exceeds at its own risk. | | | | | | | |
| The total obligated/funded ceiling amount for this order is currently \$67,640.88. This order is incrementally funded as detailed in Attachment B Summary of Amounts and Ceilings and Attachment B is hereby incorporated (1 page). | | | | | | | |
| TOCOR: Melissa Puchalski | | | | | | | |
| Continued ... | | | | | | | |
| Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect. | | | | | | | |
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) | | | |
| | | | | Michael C. Fox | | | |
| 15B. CONTRACTOR/OFFEROR | | 15C. DATE SIGNED | | 16B. UNITED STATES OF AMERICA | | 16C. DATE SIGNED | |
| (Signature of person authorized to sign) | | | |  (Signature of Contracting Officer) | | 07/27/2018 | |

| | | | |
|---------------------------|---|------|----|
| CONTINUATION SHEET | REFERENCE NO. OF DOCUMENT BEING CONTINUED | PAGE | OF |
| | EP-W-16-015/68HE0H18F1534/P00001 | 2 | 2 |

NAME OF OFFEROR OR CONTRACTOR

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|--|-----------------|-------------|-------------------|---------------|
| | <p>LIST OF CHANGES:</p> <p>Reason for Modification: Funding Only Action</p> <p>Obligated Amount for this Modification: \$50,000.00</p> <p>New Total Obligated Amount for this Award:</p> <p>\$67,640.88</p> <p>Incremental Funded Amount changed: from</p> <p>\$17,640.88 to \$67,640.88</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Obligated Amount for this Modification: \$50,000.00</p> <p>Incremental Funded Amount changed from \$17,640.88 to \$67,640.88</p> <p>FOB changed from Destination to</p> <p>NEW ACCOUNTING CODE ADDED:</p> <p>Account code:</p> <p>18-19-C-58D5-000A45-2505-1858DC8080-001</p> <p>Beginning FiscalYear 18</p> <p>Ending Fiscal Year 19</p> <p>Fund (Appropriation) C</p> <p>Budget Organization 58D5</p> <p>Program (PRC) 000A45</p> <p>Budget (BOC) 2505</p> <p>Job # (Site/Project)</p> <p>Cost Organization</p> <p>DCN-LineID 1858DC8080-001</p> <p>Amount: \$50,000.00</p> <p>Subject To Funding: N</p> <p>Payment Address:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center (AA216-01)</p> <p>109 TW Alexander Drive</p> <p>www2.epa.gov/financial/contracts</p> <p>Durham NC 27711</p> <p>Period of Performance: 07/09/2018 to 07/08/2019</p> | | | | |

Contract#: EP-W-16-015
Task Order#: 68HE0H18F1534
Project#: 2004
Modification: P00001

ATTACHMENT B
SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

| Total Funding/Obligation Amounts | | | |
|----------------------------------|--------------------|--------------------|--------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | \$17,640.88 | \$50,000.00 | \$67,640.88 |
| Total | \$17,640.88 | \$50,000.00 | \$67,640.88 |

| Total Task Order Ceiling | | | |
|--------------------------|---------------------|-------------|---------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | \$153,510.68 | - | \$153,510.68 |
| Total | \$153,510.68 | - | \$153,510.68 |

Note: This task order is incrementally funded in accordance with contract clause B.5 Limitation of Government's Obligation (EPA-B-32-103).

| | | | | | | | |
|--|---|-------------------|--|---|--|--------------------------------|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | | 1. CONTRACT ID CODE | | PAGE OF PAGES | |
| | | | | | | 1 2 | |
| 2. AMENDMENT/MODIFICATION NO. | | 3. EFFECTIVE DATE | | 4. REQUISITION/PURCHASE REQ. NO. | | 5. PROJECT NO. (If applicable) | |
| P00002 | | See Block 16C | | PR-OAR-19-00354 | | 2004 | |
| 6. ISSUED BY | | CODE | | 7. ADMINISTERED BY (If other than Item 6) | | CODE | |
| HPOD | | | | | | | |
| US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460 | | | | | | | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) | | | | (x) | | | |
| WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972 | | | | | | | |
| | | | | 9A. AMENDMENT OF SOLICITATION NO. | | | |
| | | | | 9B. DATED (SEE ITEM 11) | | | |
| | | | | x 10A. MODIFICATION OF CONTRACT/ORDER NO. | | | |
| | | | | EP-W-16-015 | | | |
| | | | | 68HE0H18F1534 | | | |
| | | | | 10B. DATED (SEE ITEM 13) | | | |
| | | | | 06/28/2018 | | | |
| CODE 038086125 | | FACILITY CODE | | | | | |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS | | | | | | | |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. | | | | | | | |
| 12. ACCOUNTING AND APPROPRIATION DATA (If required) | | | | Net Increase: | | \$50,000.00 | |
| See Schedule | | | | | | | |
| 13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14. | | | | | | | |
| CHECK ONE | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. | | | | | | |
| | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). | | | | | | |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: | | | | | | |
| X | D. OTHER (Specify type of modification and authority) FAR 52.232-22 Limitation of Funds | | | | | | |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office. | | | | | | | |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) | | | | | | | |
| DUNS Number: 038086125 | | | | | | | |
| The purpose of this modification is to add incremental funding in the amount of \$50,000.00 to this task order. | | | | | | | |
| This is a Time-and-Materials (T&M) task order with a total ceiling price of \$153,510.68, which the Contractor is not authorized to exceed. The Contractor exceeds at its own risk. | | | | | | | |
| The total obligated/funded ceiling amount for this order is currently \$117,640.88. This order is incrementally funded as detailed in Attachment B Summary of Amounts and Ceilings and Attachment B is hereby incorporated (1 page). | | | | | | | |
| TOCOR: Melissa Puchalski | | | | | | | |
| Continued ... | | | | | | | |
| Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect. | | | | | | | |
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) | | | |
| | | | | Michael C. Fox | | | |
| 15B. CONTRACTOR/OFFEROR | | 15C. DATE SIGNED | | 16B. UNITED STATES OF AMERICA | | 16C. DATE SIGNED | |
| | | | | ELECTRONIC SIGNATURE  | | 03/21/2019 | |
| (Signature of person authorized to sign) | | | | (Signature of Contracting Officer) | | | |

| | | | |
|---------------------------|---|------|----|
| CONTINUATION SHEET | REFERENCE NO. OF DOCUMENT BEING CONTINUED | PAGE | OF |
| | EP-W-16-015/68HE0H18F1534/P00002 | 2 | 2 |

NAME OF OFFEROR OR CONTRACTOR

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|--|-----------------|-------------|-------------------|---------------|
| | <p>LIST OF CHANGES:</p> <p>Reason for Modification: Funding Only Action</p> <p>Obligated Amount for this Modification: \$50,000.00</p> <p>New Total Obligated Amount for this Award:</p> <p>\$117,640.88</p> <p>Incremental Funded Amount changed: from</p> <p>\$67,640.88 to \$117,640.88</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Obligated Amount for this Modification: \$50,000.00</p> <p>Incremental Funded Amount changed from \$67,640.88</p> <p>to \$117,640.88</p> <p>FOB changed from Destination to</p> <p>NEW ACCOUNTING CODE ADDED:</p> <p>Account code:</p> <p>19-20-C-58D5-000A45-2505-1958DC9021-001</p> <p>Beginning FiscalYear 19</p> <p>Ending Fiscal Year 20</p> <p>Fund (Appropriation) C</p> <p>Budget Organization 58D5</p> <p>Program (PRC) 000A45</p> <p>Budget (BOC) 2505</p> <p>Job # (Site/Project)</p> <p>Cost Organization</p> <p>DCN-LineID 1958DC9021-001</p> <p>Amount: \$50,000.00</p> <p>Subject To Funding: N</p> <p>Payment Address:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center (AA216-01)</p> <p>109 TW Alexander Drive</p> <p>www2.epa.gov/financial/contracts</p> <p>Durham NC 27711</p> <p>Period of Performance: 07/09/2018 to 07/08/2019</p> | | | | |

Contract#: EP-W-16-015
Task Order#: 68HE0H18F1534
Project#: 2004
Modification: P00002

ATTACHMENT B
SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

| Total Funding/Obligation Amounts | | | |
|----------------------------------|--------------------|--------------------|---------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | \$67,640.88 | \$50,000.00 | \$117,640.88 |
| Total | \$67,640.88 | \$50,000.00 | \$117,640.88 |

| Total Task Order Ceiling | | | |
|--------------------------|---------------------|-------------|---------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | \$153,510.68 | - | \$153,510.68 |
| Total | \$153,510.68 | - | \$153,510.68 |

Note: This task order is incrementally funded in accordance with contract clause B.5 Limitation of Government's Obligation (EPA-B-32-103).

| | | | | | | | |
|--|---|-------------------|--|---|--|--------------------------------|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | | 1. CONTRACT ID CODE | | PAGE OF PAGES | |
| | | | | | | 1 2 | |
| 2. AMENDMENT/MODIFICATION NO. | | 3. EFFECTIVE DATE | | 4. REQUISITION/PURCHASE REQ. NO. | | 5. PROJECT NO. (If applicable) | |
| P000003 | | See Block 16C | | PR-OAR-19-00753 | | 2004 | |
| 6. ISSUED BY | | CODE | | 7. ADMINISTERED BY (If other than Item 6) | | CODE | |
| HPOD | | | | | | | |
| US Environmental Protection Agency | | | | | | | |
| William Jefferson Clinton Building | | | | | | | |
| 1200 Pennsylvania Avenue, N. W. | | | | | | | |
| Mail Code: 3803R | | | | | | | |
| Washington DC 20460 | | | | | | | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) | | | | (x) | | | |
| WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. | | | | | | | |
| Attn: JOSEPH FARRELL | | | | | | | |
| 751 Arbor Way | | | | | | | |
| Ste 180 | | | | | | | |
| Blue Bell PA 194221972 | | | | | | | |
| CODE | | FACILITY CODE | | 9A. AMENDMENT OF SOLICITATION NO. | | | |
| 038086125 | | | | | | | |
| | | | | 9B. DATED (SEE ITEM 11) | | | |
| | | | | | | | |
| | | | | 10A. MODIFICATION OF CONTRACT/ORDER NO. | | | |
| | | | | EP-W-16-015 | | | |
| | | | | 68HE0H18F1534 | | | |
| | | | | 10B. DATED (SEE ITEM 13) | | | |
| | | | | 06/28/2018 | | | |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS | | | | | | | |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. | | | | | | | |
| 12. ACCOUNTING AND APPROPRIATION DATA (If required) | | | | Net Increase: | | \$31,192.93 | |
| See Schedule | | | | | | | |
| 13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14. | | | | | | | |
| CHECK ONE | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. | | | | | | |
| | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). | | | | | | |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: | | | | | | |
| X | D. OTHER (Specify type of modification and authority) FAR 52.232-22 Limitation of Funds | | | | | | |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office. | | | | | | | |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) | | | | | | | |
| DUNS Number: 038086125 | | | | | | | |
| The purpose of this modification is to add incremental funding in the amount of \$31,192.93 to this task order. | | | | | | | |
| This is a Time-and-Materials (T&M) task order with a total ceiling price of \$153,510.68, which the Contractor is not authorized to exceed. The Contractor exceeds at its own risk. | | | | | | | |
| The total obligated/funded ceiling amount for this order is currently \$148,833.81. This order is incrementally funded as detailed in Attachment B Summary of Amounts and Ceilings and Attachment B is hereby incorporated (1 page). | | | | | | | |
| TOCOR: Melissa Puchalski | | | | | | | |
| Continued ... | | | | | | | |
| Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect. | | | | | | | |
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) | | | |
| | | | | Michael C. Fox | | | |
| 15B. CONTRACTOR/OFFEROR | | 15C. DATE SIGNED | | 16B. UNITED STATES OF AMERICA | | 16C. DATE SIGNED | |
| | | | |  ELECTRONIC SIGNATURE (Signature of Contracting Officer) | | 04/19/2019 | |
| (Signature of person authorized to sign) | | | | | | | |

| | | | |
|---------------------------|---|------|----|
| CONTINUATION SHEET | REFERENCE NO. OF DOCUMENT BEING CONTINUED | PAGE | OF |
| | EP-W-16-015/68HE0H18F1534/P00003 | 2 | 2 |

NAME OF OFFEROR OR CONTRACTOR

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|---|-----------------|-------------|-------------------|---------------|
| | <p>LIST OF CHANGES:</p> <p>Reason for Modification: Funding Only Action</p> <p>Obligated Amount for this Modification: \$31,192.93</p> <p>New Total Obligated Amount for this Award: \$148,833.81</p> <p>Incremental Funded Amount changed: from \$117,640.88 to \$148,833.81</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Obligated Amount for this Modification: \$31,192.93</p> <p>Incremental Funded Amount changed from \$117,640.88 to \$148,833.81</p> <p>FOB changed from Destination to</p> <p>NEW ACCOUNTING CODE ADDED:</p> <p>Account code:</p> <p>18-19-B-58D5-000A45-2505-1958DC9040-001</p> <p>Beginning FiscalYear 18</p> <p>Ending Fiscal Year 19</p> <p>Fund (Appropriation) B</p> <p>Budget Organization 58D5</p> <p>Program (PRC) 000A45</p> <p>Budget (BOC) 2505</p> <p>Job # (Site/Project)</p> <p>Cost Organization</p> <p>DCN-LineID 1958DC9040-001</p> <p>Amount: \$31,192.93</p> <p>Subject To Funding: N</p> <p>Payment Address:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center (AA216-01)</p> <p>109 TW Alexander Drive</p> <p>www2.epa.gov/financial/contracts</p> <p>Durham NC 27711</p> <p>Period of Performance: 07/09/2018 to 07/08/2019</p> | | | | |

Contract#: EP-W-16-015
Task Order#: 68HE0H18F1534
Project#: 2004
Modification: P00003

ATTACHMENT B
SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

| Total Funding/Obligation Amounts | | | |
|----------------------------------|---------------------|--------------------|---------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | \$117,640.88 | \$31,192.93 | \$148,833.81 |
| Total | \$117,640.88 | \$31,192.93 | \$148,833.81 |

| Total Task Order Ceiling | | | |
|--------------------------|---------------------|-------------|---------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | \$153,510.68 | - | \$153,510.68 |
| Total | \$153,510.68 | - | \$153,510.68 |

Note: This task order is incrementally funded in accordance with contract clause B.5 Limitation of Government's Obligation (EPA-B-32-103).

| | | | | | |
|--|--|------------------------------------|--|---|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | 1. CONTRACT ID CODE | | PAGE OF PAGES 1 2 | |
| 2. AMENDMENT/MODIFICATION NO. P00004 | | 3. EFFECTIVE DATE See Block 16C | | 4. REQUISITION/PURCHASE REQ. NO. | |
| 5. PROJECT NO. (If applicable) 2004 | | 6. ISSUED BY HQAD | | 7. ADMINISTERED BY (If other than Item 6) CODE | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972 | | (x) | | 9A. AMENDMENT OF SOLICITATION NO. | |
| CODE 038086125 | | FACILITY CODE | | 9B. DATED (SEE ITEM 11) | |
| | | x | | 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-16-015 68HE0H18F1534 | |
| | | | | 10B. DATED (SEE ITEM 13) 06/28/2018 | |

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Schedule Net Decrease: -\$23,920.94

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

| | |
|-----------|---|
| CHECK ONE | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. |
| | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: |
| X | D. OTHER (Specify type of modification and authority) FAR 52.232-22 Limitation of Funds |

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 038086125

The purpose of this modification is to de-obligate funding in the amount of \$23,920.94 from this task order.

TOCOR: Melissa Puchalski

LIST OF CHANGES:

Reason for Modification: Funding Only Action

Obligated Amount for this Modification: -\$23,920.94

New Total Obligated Amount for this Award: \$124,912.87

Incremental Funded Amount changed: from \$148,833.81 to \$124,912.87

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

| | | | |
|---|------------------|--|--------------------------------|
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Michael C. Fox | |
| 15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign) | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA (Signature of Contracting Officer) | 16C. DATE SIGNED 10/16/2019 |

| | | | |
|---------------------------|---|------|----|
| CONTINUATION SHEET | REFERENCE NO. OF DOCUMENT BEING CONTINUED | PAGE | OF |
| | EP-W-16-015/68HE0H18F1534/P00004 | 2 | 2 |

NAME OF OFFEROR OR CONTRACTOR
WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|---|-----------------|-------------|-------------------|---------------|
| | <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Obligated Amount for this Modification: -\$23,920.94</p> <p>Incremental Funded Amount changed from \$148,833.81 to \$124,912.87</p> <p>CHANGES FOR ACCOUNTING CODE: 19-20-C-58D5-000A45-2505-1958DC9021-001 Amount changed from \$50,000.00 to \$26,079.06</p> <p>Period of Performance: 07/09/2018 to 07/08/2019</p> | | | | |

| | | | | | | | |
|---|---|---|--|--|--|--|------------------------------------|
| SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS <i>OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30</i> | | | | 1. REQUISITION NUMBER PR-OAR-18-00746 | | PAGE OF 1 3 | |
| 2. CONTRACT NO. EP-W-16-015 | | 3. AWARD/ EFFECTIVE DATE 07/09/2018 | | 4. ORDER NUMBER 68HE0H18F1536 | | 5. SOLICITATION NUMBER | |
| 6. SOLICITATION ISSUE DATE | | | | | | | |
| 7. FOR SOLICITATION INFORMATION CALL: | | a. NAME Michael Fox | | | b. TELEPHONE NUMBER (No collect calls) 202-564-2550 | | 8. OFFER DUE DATE/LOCAL TIME ET |
| 9. ISSUED BY HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460 | | | | 10. THIS ACQUISITION IS <input checked="" type="checkbox"/> UNRESTRICTED OR <input type="checkbox"/> SET ASIDE: % FOR: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> HUBZONE SMALL BUSINESS <input type="checkbox"/> SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS </div> <div> <input type="checkbox"/> WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOMEN-OWNED SMALL BUSINESS PROGRAM <input type="checkbox"/> EDWOSB <input type="checkbox"/> 8(A) </div> <div> NAICS: 541620 SIZE STANDARD: \$15.0 </div> </div> | | | |
| 11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input checked="" type="checkbox"/> SEE SCHEDULE | | 12. DISCOUNT TERMS | | 13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700) <input type="checkbox"/> | | 13b. RATING | |
| 15. DELIVER TO OAR/OAP US Environmental Protection Agency 1200 Pennsylvania Avenue NW Mail Code: 62101J OAR/OAP Washington DC 20460 | | CODE OAR/OAP | | 16. ADMINISTERED BY HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460 | | CODE HPOD | |
| 17a. CONTRACTOR/ OFFEROR | | CODE 038086125 | | FACILITY CODE | | 18a. PAYMENT WILL BE MADE BY RTP FMC | |
| WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972 (b)(4) TELEPHONE NO. | | | | RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 | | | |
| <input type="checkbox"/> 17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER | | | | <input type="checkbox"/> 18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK BELOW IS CHECKED <input type="checkbox"/> SEE ADDENDUM | | | |
| 19. ITEM NO. | 20. SCHEDULE OF SUPPLIES/SERVICES | | | 21. QUANTITY | 22. UNIT | 23. UNIT PRICE | 24. AMOUNT |
| | DUNS Number: 038086125 This task order is issued in accordance with Task Order Ordering Procedures and hereby incorporates the base contract terms and conditions by reference. The effective date for performance to commence is July 9, 2018. The Contractor shall perform in accordance with the Attachment A Statement of Work (4 pages) and the accepted technical proposal and cost estimate dated May 31, 2018 (8 pages) in the amount of <i>(Use Reverse and/or Attach Additional Sheets as Necessary)</i> | | | | | | |
| 25. ACCOUNTING AND APPROPRIATION DATA See Schedule | | | | | | 26. TOTAL AWARD AMOUNT (For Govt. Use Only) \$138,481.00 | |
| <input type="checkbox"/> 27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4, FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA <input type="checkbox"/> 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4, FAR 52.212-5 IS ATTACHED. ADDENDA | | | | | | <input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED. <input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED. | |
| <input type="checkbox"/> 28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED. | | | | <input type="checkbox"/> 29. AWARD OF CONTRACT: _____ OFFER DATED _____. YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS: | | | |
| 30a. SIGNATURE OF OFFEROR/CONTRACTOR | | | | 31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER) | | | |
| 30b. NAME AND TITLE OF SIGNER (Type or print) | | 30c. DATE SIGNED | | 31b. NAME OF CONTRACTING OFFICER (Type or print) | | 31c. DATE SIGNED | |
| | | | | Michael C. Fox | | | |

| 19. ITEM NO. | 20. SCHEDULE OF SUPPLIES/SERVICES | 21. QUANTITY | 22. UNIT | 23. UNIT PRICE | 24. AMOUNT |
|-----------------|---|-----------------|-------------|-------------------|---------------|
| 0001 | <p>\$138,481.00.</p> <p>This is a Time-and-Materials (T&M) task order with a total ceiling price of \$138,481.00, which the Contractor is not authorized to exceed. The Contractor exceeds at its own risk.</p> <p>The total obligated/funded ceiling amount for this order is currently \$15,000.00. This order is incrementally funded as detailed in Attachment B Summary of Amounts and Ceilings and Attachment B is hereby incorporated (1 page).</p> <p>Contracting Officer's Representative (COR) for this task order: Macy Taylor, (202) 343-9183, Macy.Taylor@epa.gov</p> <p>Alternate COR: Gregory Beachley, (202) 343-9621, Beachley.Gregory@epa.gov</p> <p>The services of this order are for severable. TOCOR: Taylor Macy Period of Performance: 07/09/2018 to 07/08/2019</p> <p>Non-Routine Maintenance and Repairs of CASTNET Equipment</p> <p>Accounting Info: Continued ...</p> | | | | |

32a. QUANTITY IN COLUMN 21 HAS BEEN

☐ RECEIVED ☐ INSPECTED ☐ ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED: _____

| | | | | |
|---|------------------------|--------------------------------------|--|-----------------------|
| 32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | | 32c. DATE | 32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | |
| 32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE | | | 32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE | |
| | | | 32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE | |
| 33. SHIP NUMBER | 34. VOUCHER NUMBER | 35. AMOUNT VERIFIED CORRECT FOR | 36. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL | 37. CHECK NUMBER |
| <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL | | | | |
| 38. S/R ACCOUNT NUMBER | 39. S/R VOUCHER NUMBER | 40. PAID BY | | |
| 41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT | | 42a. RECEIVED BY (<i>Print</i>) | | |
| 41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER | | 42b. RECEIVED AT (<i>Location</i>) | | |
| | | 42c. DATE REC'D (YY/MM/DD) | | 42d. TOTAL CONTAINERS |
| | | | | |

NAME OF OFFEROR OR CONTRACTOR
WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|---|-----------------|-------------|-------------------|---------------|
| | 18-19-C-58D5-000A45-2505-1858DC8053-001 BFY: 18 EFY: 19 Fund: C Budget Org: 58D5 Program (PRC): 000A45 Budget (BOC): 2505 DCN - Line ID: 1858DC8053-001 Funding Flag: Complete Funded: \$15,000.00 | | | | |

ATTACHEMENT A

Statement of Work

Title: Non-routine Maintenance and Repairs of
CASTNET Equipment
Contract #: EP-W-16-015
Project #: 2006
Period of Performance: 7/9/2018 – 7/8/2019

EPA Key Personnel

Task Order Project Officer (TOPO):

Taylor Macy
Clean Air Markets Division (OAP/OAR/CAMD)
1200 Pennsylvania Ave., NW
Mail Code 6204M
Washington, DC 20460
phone: (202) 343-9183
email: macy.taylor@epa.gov

Alternate TOPO:

Greg Beachley
Clean Air Markets Division (OAP/OAR/CAMD)
1200 Pennsylvania Ave., NW
Mail Code 6204M
Washington, DC 20460
phone: (202) 343-9621
email: beachley.gregory@epa.gov

Contracting Officer (CO):

Michael Fox
Contracting Officer
Administrative Contract Service Center
1200 Pennsylvania Ave N.W.
Mail Code 3803R
Washington DC 20460
phone: (202) 564-2550
email: fox.michael@epa.gov

STATEMENT OF WORK

I. INTRODUCTION

The Clean Air Status and Trends Network (CASTNET) is a long-term environmental monitoring network that measures changes in ambient air quality and assesses atmospheric deposition over broad geographic regions of the U.S. (<https://www.epa.gov/castnet>). Operating since 1987, CASTNET has evolved into a robust regional monitoring program which currently consists of approximately 95 monitoring stations nationwide. The Environmental Protection Agency (EPA) coordinates the operation of the network in cooperation with numerous federal, tribal, state and local partners.

The primary monitoring objectives of CASTNET are to:

- Provide high quality data on atmospheric deposition, rural ground level ozone and other forms of atmospheric pollution;
- Support the primary and secondary ozone NAAQS and provide data on NAAQS compliance in rural areas;
- Monitor the status and trends in regional air quality and atmospheric deposition;
- Assess and report on geographic patterns and long-term, temporal trends in ambient air pollution and atmospheric deposition;
- Improve our understanding of PM and ozone formation;
- Validate and improve atmospheric models;
- Provide data for health-based research and epidemiology studies;
- Assess the effectiveness of EPA's emission reduction programs; and
- Support science and ecosystem studies.

CASTNET sites measure weekly average concentrations of sulfate (SO_4^{2-}), nitrate (NO_3^-), ammonium (NH_4^+), sulfur dioxide (SO_2), nitric acid (HNO_3), chloride (Cl^-) and the base cations (Na^+ , K^+ , Mg^{2+} and Ca^{2+}) using a 3-stage filter pack. In addition, each site may make ancillary measurements, including hourly ozone (O_3), hourly meteorology, ammonia (NH_3) gas using passive devices, and trace-level gases. Trace-level gas monitors include reactive oxidized nitrogen (NO_y), nitric oxide (NO), sulfur dioxide (SO_2) and carbon monoxide (CO). CASTNET O_3 , meteorological, and trace gas measurements follow the requirements in the Code of Federal Regulations (CFR) and EPA's Quality Assurance Handbook.

II. PURPOSE

The primary purpose of this task order is to perform non-routine maintenance on CASTNET equipment and infrastructure repairs due to unforeseen circumstances, including errors or faulty parts/equipment on the part of manufacturers, or the discontinuation of measurements at current monitoring sites. This work should be considered out of scope from the base operations task orders in place for Task Orders 0103 and 0104 (CASTNET Base Program and CASTNET Tribal

Base Program, respectively), which cover routine, expected maintenance. The TOPO may provide technical direction for performing specific tasks under this task order.

III. CONTRACT LEVEL STATEMENT OF WORK REFERENCE

The tasks to be performed under this task order are consistent with the activities authorized in Task 22 (Level of Effort) of the contract's Statement of Work.

IV. TECHNICAL DIRECTION

1. Prepare a Proposal

The Contractor shall prepare a Task Order Proposal and Cost Estimate in accordance with the terms and conditions of contract clauses B.2 entitled Fixed Rates for Services – Indefinite delivery/Indefinite quantity contract, using time and materials with a cost ceiling, and will submit it to EPA.

2. Perform Non-Routine Maintenance and Repairs

2.1 Repair of CASTNET shelters

The site shelter enclosures themselves are important to allow for proper operating conditions to be maintained to meet rigorous quality assurance standards for regulatory NAAQS measurements. Most of the shelters in the network have been in place for upwards of 10 years or more. They are subject to normal wear and tear and also exposed to harsh weather conditions that may cause significant damage over time. Cost analyses show that repair of these shelters is much more cost-effective than a replacement. The contractor will monitor shelters for repair needs and arrange and conduct the repairs when needed. The repairs will range from minor maintenance to major repairs such as roof or floor replacements. Repairs should be made in a way to minimize their impact on the sampling schedule.

2.2 Disposition of meteorological sensors and equipment

Over time, CASTNET equipment becomes unusable due to malfunctions, normal wear from routine use, or obsolete technology. The contractor is tasked with collecting that equipment and storing it until the point in which it is no longer of any potential use in the network. At that point, unusable equipment should be disposed of properly. The contractor shall oversee the development of a plan to dispose of unusable equipment. That plan should include an inventory of each piece of equipment with an EPA property decal prior to removal of the decal. Also, any hardware that may potentially contain any agency-sensitive information should be sanitized prior to its inclusion in the 'EPA-property disposition plan'. This is a continuation of work that began under Task Order 0006.

2.3 Nafion Dryer Installation

CASTNET ozone analyzers located in regions that experience humid weather tend to experience moisture issues causing slow responses during the QC checks and noisy 1-

minute data. With approval from EPA, the contractor shall purchase and install up to 40 nafion dryer lines at select CASTNET sites. The nafion dryer shall be placed in-line with the sampling line to dry the air as it enters the temperature controlled shelter. When appropriate the contractor should schedule the installation during a routine calibration trip.

2.4 Additional Maintenance, Repairs and Equipment Purchases

Additional technical direction will be given as other non-routine maintenance and repairs arise on CASTNET equipment and infrastructure. This task includes, but is not limited to aging ozone analyzers, flow controllers and data loggers.

V. DELIVERABLES

1. Technical Proposal & Cost Estimate

The contractor shall deliver a Task Order Proposal and cost estimate in accordance with clause B.7 Task Order Ordering Procedures of the contract.

2. Monthly Progress Report

The contractor shall prepare and submit a monthly progress report by the 15th of each month summarizing the progress made, issues encountered or expected, work planned for the next reporting period and costs. These reports shall comply with contract clauses F.1 Monthly Progress Report and F.5 Reports of Work. Reports shall be delivered electronically.

Additional deliverables may be required as part of future technical direction.

VI. SCHEDULE

The task order proposal shall be delivered within 10 days of issuance of this task order.

Distribution of Deliverables:

| Addressee | Copies |
|--|--------|
| EPA Contracting Officer (Mike Fox) | 1 |
| EPA Task Order Project Officer (Taylor Macy) | 1 |
| EPA Alternate TOPO (Gregory Beachley) | 1 |

ATTACHMENT B
SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

| Total Funding/Obligation Amounts | | | |
|----------------------------------|-----------------|--------------------|--------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | - | \$15,000.00 | \$15,000.00 |
| Total | - | \$15,000.00 | \$15,000.00 |

| Total Task Order Ceiling | | | |
|--------------------------|-----------------|---------------------|---------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | - | \$138,481.00 | \$138,481.00 |
| Total | - | \$138,481.00 | \$138,481.00 |

Note: This task order is incrementally funded in accordance with contract clause B.5 Limitation of Government's Obligation (EPA-B-32-103).

| | | | | | | | |
|--|---|-------------------|--|---|--|------------------------------------|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | | 1. CONTRACT ID CODE | | PAGE OF PAGES | |
| | | | | | | 1 2 | |
| 2. AMENDMENT/MODIFICATION NO. | | 3. EFFECTIVE DATE | | 4. REQUISITION/PURCHASE REQ. NO. | | 5. PROJECT NO. (If applicable) | |
| P00001 | | See Block 16C | | PR-OAR-18-01162 | | 2006 | |
| 6. ISSUED BY | | CODE | | 7. ADMINISTERED BY (If other than Item 6) | | CODE | |
| HPOD | | | | | | | |
| US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460 | | | | | | | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) | | | | (x) | | | |
| WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972 | | | | | | | |
| | | | | 9A. AMENDMENT OF SOLICITATION NO. | | | |
| | | | | 9B. DATED (SEE ITEM 11) | | | |
| | | | | x 10A. MODIFICATION OF CONTRACT/ORDER NO. | | | |
| | | | | EP-W-16-015 | | | |
| | | | | 68HE0H18F1536 | | | |
| | | | | 10B. DATED (SEE ITEM 13) | | | |
| | | | | 06/28/2018 | | | |
| CODE 038086125 | | FACILITY CODE | | | | | |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS | | | | | | | |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. | | | | | | | |
| 12. ACCOUNTING AND APPROPRIATION DATA (If required) | | | | Net Increase: | | \$70,000.00 | |
| See Schedule | | | | | | | |
| 13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14. | | | | | | | |
| CHECK ONE | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. | | | | | | |
| | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). | | | | | | |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: | | | | | | |
| X | D. OTHER (Specify type of modification and authority) FAR 52.232-22 Limitation of Funds | | | | | | |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not. <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office. | | | | | | | |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) | | | | | | | |
| DUNS Number: 038086125 | | | | | | | |
| The purpose of this modification is to add incremental funding in the amount of \$70,000.00 to this task order. | | | | | | | |
| This is a Time-and-Materials (T&M) task order with a total ceiling price of \$138,481.00, which the Contractor is not authorized to exceed. The Contractor exceeds at its own risk. | | | | | | | |
| The total obligated/funded ceiling amount for this order is currently \$85,000.00. This order is incrementally funded as detailed in Attachment B Summary of Amounts and Ceilings and Attachment B is hereby incorporated (1 page). | | | | | | | |
| TOCOR: Taylor Macy | | | | | | | |
| Continued ... | | | | | | | |
| Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect. | | | | | | | |
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) | | | |
| | | | | Michael C. Fox | | | |
| 15B. CONTRACTOR/OFFEROR | | 15C. DATE SIGNED | | 16B. UNITED STATES OF AMERICA | | 16C. DATE SIGNED | |
| (Signature of person authorized to sign) | | | |  (Signature of Contracting Officer) | | ELECTRONIC SIGNATURE 07/27/2018 | |

| | | | |
|---------------------------|---|------|----|
| CONTINUATION SHEET | REFERENCE NO. OF DOCUMENT BEING CONTINUED | PAGE | OF |
| | EP-W-16-015/68HE0H18F1536/P00001 | 2 | 2 |

NAME OF OFFEROR OR CONTRACTOR

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|--|-----------------|-------------|-------------------|---------------|
| | <p>LIST OF CHANGES:</p> <p>Reason for Modification: Funding Only Action</p> <p>Obligated Amount for this Modification: \$70,000.00</p> <p>New Total Obligated Amount for this Award: \$85,000.00</p> <p>Incremental Funded Amount changed: from \$15,000.00 to \$85,000.00</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Obligated Amount for this Modification: \$70,000.00</p> <p>Incremental Funded Amount changed from \$15,000.00 to \$85,000.00</p> <p>FOB changed from Destination to</p> <p>NEW ACCOUNTING CODE ADDED:</p> <p>Account code:</p> <p>18-19-C-58D5-000A45-2505-1858DC8081-001</p> <p>Beginning FiscalYear 18</p> <p>Ending Fiscal Year 19</p> <p>Fund (Appropriation) C</p> <p>Budget Organization 58D5</p> <p>Program (PRC) 000A45</p> <p>Budget (BOC) 2505</p> <p>Job # (Site/Project)</p> <p>Cost Organization</p> <p>DCN-LineID 1858DC8081-001</p> <p>Amount: \$70,000.00</p> <p>Subject To Funding: N</p> <p>Payment Address:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center (AA216-01)</p> <p>109 TW Alexander Drive</p> <p>www2.epa.gov/financial/contracts</p> <p>Durham NC 27711</p> <p>Payment:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center (AA216-01)</p> <p>109 TW Alexander Drive</p> <p>www2.epa.gov/financial/contracts</p> <p>Durham NC 27711</p> <p>Period of Performance: 07/09/2018 to 07/08/2019</p> | | | | |

Contract#: EP-W-16-015
Task Order#: 68HE0H18F1536
Project#: 2006
Modification: P00001

ATTACHMENT B
SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

| Total Funding/Obligation Amounts | | | |
|----------------------------------|--------------------|--------------------|--------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | \$15,000.00 | \$70,000.00 | \$85,000.00 |
| Total | \$15,000.00 | \$70,000.00 | \$85,000.00 |

| Total Task Order Ceiling | | | |
|--------------------------|---------------------|-------------|---------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | \$138,481.00 | - | \$138,481.00 |
| Total | \$138,481.00 | - | \$138,481.00 |

Note: This task order is incrementally funded in accordance with contract clause B.5 Limitation of Government's Obligation (EPA-B-32-103).

| | | | | | | | |
|--|---|-------------------|--|---|--|--------------------------------|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | | 1. CONTRACT ID CODE | | PAGE OF PAGES | |
| | | | | | | 1 3 | |
| 2. AMENDMENT/MODIFICATION NO. | | 3. EFFECTIVE DATE | | 4. REQUISITION/PURCHASE REQ. NO. | | 5. PROJECT NO. (If applicable) | |
| P00002 | | See Block 16C | | PR-OAR-19-00163 | | 2006 | |
| 6. ISSUED BY | | CODE | | 7. ADMINISTERED BY (If other than Item 6) | | CODE | |
| HPOD | | | | | | | |
| HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460 | | | | | | | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) | | | | (x) | | | |
| WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972 | | | | | | | |
| | | | | 9A. AMENDMENT OF SOLICITATION NO. | | | |
| | | | | 9B. DATED (SEE ITEM 11) | | | |
| | | | | x 10A. MODIFICATION OF CONTRACT/ORDER NO. | | | |
| | | | | EP-W-16-015 | | | |
| | | | | 68HE0H18F1536 | | | |
| | | | | 10B. DATED (SEE ITEM 13) | | | |
| | | | | 06/28/2018 | | | |
| CODE 038086125 | | FACILITY CODE | | | | | |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS | | | | | | | |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. | | | | | | | |
| 12. ACCOUNTING AND APPROPRIATION DATA (If required) | | | | Net Increase: | | \$96,694.93 | |
| See Schedule | | | | | | | |
| 13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14. | | | | | | | |
| CHECK ONE | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. | | | | | | |
| | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). | | | | | | |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: | | | | | | |
| X | D. OTHER (Specify type of modification and authority) Mutual Agreement of the Parties | | | | | | |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office. | | | | | | | |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) | | | | | | | |
| DUNS Number: 038086125 | | | | | | | |
| The purpose of this modification is to incorporate the revised statement of work in accordance with Attachment A, Revised Statement of Work (5 pages) and the revised technical and cost proposal dated November 28, 2018 (11 pages). The total price of this task order is being increased by \$81,331.00 from \$138,481.00 to \$219,812.00. Incremental funding in the amount of \$96,694.93 is being added to this task order. This order is incrementally funded as detailed in Attachment B Summary of Amounts and Ceilings and Attachment B is hereby incorporated (1 page). | | | | | | | |
| This is a Time-and-Materials (T&M) task order with a total ceiling price of \$219,812.00, which the Contractor is not authorized to exceed. The Contractor exceeds at its own risk. Continued ... | | | | | | | |
| Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect. | | | | | | | |
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) | | | |
| | | | | Michael C. Fox | | | |
| 15B. CONTRACTOR/OFFEROR | | 15C. DATE SIGNED | | 16B. UNITED STATES OF AMERICA | | 16C. DATE SIGNED | |
| | | | | ELECTRONIC SIGNATURE  | | 12/07/2018 | |
| (Signature of person authorized to sign) | | | | (Signature of Contracting Officer) | | | |

| | | | |
|---------------------------|---|------|----|
| CONTINUATION SHEET | REFERENCE NO. OF DOCUMENT BEING CONTINUED | PAGE | OF |
| | EP-W-16-015/68HE0H18F1536/P00002 | 2 | 3 |

NAME OF OFFEROR OR CONTRACTOR

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|---|-----------------|-------------|-------------------|---------------|
| | <p>The total obligated/funded ceiling amount for this order is currently \$181,694.93. This order is incrementally funded as detailed in Attachment B Summary of Amounts and Ceilings and Attachment B is hereby incorporated (1 page).</p> <p>TOCOR: Taylor Macy</p> <p>LIST OF CHANGES:</p> <p>Reason for Modification: Supplemental Agreement for work within scope</p> <p>Total Amount for this Modification: \$81,331.00</p> <p>New Total Amount for this Version: \$219,812.00</p> <p>New Total Amount for this Award: \$219,812.00</p> <p>Obligated Amount for this Modification: \$96,694.93</p> <p>New Total Obligated Amount for this Award: \$181,694.93</p> <p>Incremental Funded Amount changed: from \$85,000.00 to \$181,694.93</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Total Amount changed from \$138,481.00 to \$219,812.00</p> <p>Obligated Amount for this Modification: \$96,694.93</p> <p>Incremental Funded Amount changed from \$85,000.00 to \$181,694.93</p> <p>FOB changed from Destination to</p> <p>NEW ACCOUNTING CODE ADDED:</p> <p>Account code:</p> <p>19-20-C-58D5-000A45-2505-1958DC9010-001</p> <p>Beginning FiscalYear 19</p> <p>Ending Fiscal Year 20</p> <p>Fund (Appropriation) C</p> <p>Budget Organization 58D5</p> <p>Program (PRC) 000A45</p> <p>Budget (BOC) 2505</p> <p>Job # (Site/Project)</p> <p>Cost Organization</p> <p>DCN-LineID 1958DC9010-001</p> <p>Amount: \$56,694.93</p> <p>Subject To Funding: N</p> <p>Payment Address:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center (AA216-01)</p> <p>109 TW Alexander Drive</p> <p>www2.epa.gov/financial/contracts</p> <p>Durham NC 27711</p> <p>NEW ACCOUNTING CODE ADDED:</p> <p>Continued ...</p> | | | | |

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|---------------------------|---|------|----|
| CONTINUATION SHEET | REFERENCE NO. OF DOCUMENT BEING CONTINUED | PAGE | OF |
| | EP-W-16-015/68HE0H18F1536/P00002 | 3 | 3 |

NAME OF OFFEROR OR CONTRACTOR

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|--|-----------------|-------------|-------------------|---------------|
| | Account code: 18-19-C-58D5-000A45-2505-1958DC9010-002 Beginning FiscalYear 18 Ending Fiscal Year 19 Fund (Appropriation) C Budget Organization 58D5 Program (PRC) 000A45 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1958DC9010-002 Amount: \$40,000.00 Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 07/09/2018 to 07/08/2019 | | | | |

ATTACHEMENT A
Statement of Work
(revised 12/7/2018)

| | |
|-------------------------------|---|
| Title: | Non-routine Maintenance and Repairs of CASTNET Equipment |
| Contractor: | AMEC Foster Wheeler, Inc. |
| Contract #: | EP-W-16-015 |
| Task Order #: | 2006 |
| Period of Performance: | 7/9/2018 – 7/8/2019 |

EPA Key Personnel

Task Order Project Officer (TOPO):

Taylor Macy
Clean Air Markets Division (OAP/OAR/CAMD)
1200 Pennsylvania Ave., NW
Mail Code 6204M
Washington, DC 20460
phone: (202) 343-9183
email: macy.taylor@epa.gov

Alternate TOPO:

Greg Beachley
Clean Air Markets Division (OAP/OAR/CAMD)
1200 Pennsylvania Ave., NW
Mail Code 6204M
Washington, DC 20460
phone: (202) 343-9621
email: beachley.gregory@epa.gov

Contracting Officer (CO):

Michael Fox
Contracting Officer
Administrative Contract Service Center
1200 Pennsylvania Ave N.W.
Mail Code 3803R
Washington DC 20460
phone: (202) 564-2550
email: fox.michael@epa.gov

STATEMENT OF WORK

I. INTRODUCTION

The Clean Air Status and Trends Network (CASTNET) is a long-term environmental monitoring network that measures changes in ambient air quality and assesses atmospheric deposition over broad geographic regions of the U.S. (<https://www.epa.gov/castnet>). Operating since 1987, CASTNET has evolved into a robust regional monitoring program which currently consists of approximately 95 monitoring stations nationwide. The Environmental Protection Agency (EPA) coordinates the operation of the network in cooperation with numerous federal, tribal, state and local partners.

The primary monitoring objectives of CASTNET are to:

- Provide high quality data on atmospheric deposition, rural ground level ozone and other forms of atmospheric pollution;
- Support the primary and secondary ozone NAAQS and provide data on NAAQS compliance in rural areas;
- Monitor the status and trends in regional air quality and atmospheric deposition;
- Assess and report on geographic patterns and long-term, temporal trends in ambient air pollution and atmospheric deposition;
- Improve our understanding of PM and ozone formation;
- Validate and improve atmospheric models;
- Provide data for health-based research and epidemiology studies;
- Assess the effectiveness of EPA's emission reduction programs; and
- Support science and ecosystem studies.

CASTNET sites measure weekly average concentrations of sulfate (SO_4^{2-}), nitrate (NO_3^-), ammonium (NH_4^+), sulfur dioxide (SO_2), nitric acid (HNO_3), chloride (Cl^-) and the base cations (Na^+ , K^+ , Mg^{2+} and Ca^{2+}) using a 3-stage filter pack. In addition, each site may make ancillary measurements, including hourly ozone (O_3), hourly meteorology, ammonia (NH_3) gas using passive devices, and trace-level gases. Trace-level gas monitors include reactive oxidized nitrogen (NO_y), nitric oxide (NO), sulfur dioxide (SO_2) and carbon monoxide (CO). CASTNET O_3 , meteorological, and trace gas measurements follow the requirements in the Code of Federal Regulations (CFR) and EPA's Quality Assurance Handbook.

II. PURPOSE

The primary purpose of this task order is to perform non-routine maintenance on CASTNET equipment and infrastructure repairs due to unforeseen circumstances, including errors or faulty parts/equipment on the part of manufacturers, or the discontinuation of measurements at current monitoring sites. This work should be considered out of scope from the base operations task orders in place for Task Orders 2003 and 2004 (CASTNET Base Program and CASTNET Tribal

Base Program, respectively), which cover routine, expected maintenance. The TOPO may provide technical direction for performing specific tasks under this task order.

III. CONTRACT LEVEL STATEMENT OF WORK REFERENCE

The tasks to be performed under this task order are consistent with the activities authorized in Task 22 (Level of Effort) of the contract's Statement of Work.

IV. TECHNICAL DIRECTION

1. Prepare a Proposal

The Contractor shall prepare a Task Order Proposal and Cost Estimate in accordance with the terms and conditions of contract clauses B.2 entitled Fixed Rates for Services – Indefinite delivery/Indefinite quantity contract, using time and materials with a cost ceiling, and will submit it to EPA.

2. Perform Non-Routine Maintenance and Repairs

2.1 Repair of CASTNET shelters

The site shelter enclosures themselves are important to allow for proper operating conditions to be maintained to meet rigorous quality assurance standards for regulatory NAAQS measurements. Most of the shelters in the network have been in place for upwards of 10 years or more. They are subject to normal wear and tear and also exposed to harsh weather conditions that may cause significant damage over time. Cost analyses show that repair of these shelters is much more cost-effective than a replacement. The contractor will monitor shelters for repair needs and arrange and conduct the repairs when needed. The repairs will range from minor maintenance to major repairs such as roof or floor replacements. Repairs should be made in a way to minimize their impact on the sampling schedule.

2.1.1 Hurricane Repairs and Maintenance

- a. The coastal site (BFT142) located near Beaufort, NC, was significantly damaged when Hurricane Florence made landfall nearby. Wood will assess and make necessary infrastructure repairs to the shelter, filter pack flow tower, and digital rain gauge. This shall include securing the shelter and tower so there are no safety issues by pouring a new concrete pad(s) and re-anchoring the shelter and tower.
- b. Hurricane Michael made landfall near the coastal CASTNET site in Florida (SUM146). To access and make repairs to the infrastructure, equipment and power, maintenance shall include tree clearing and removal. When power is restored, equipment will be audited to determine if there was any damage due to the storm.

2.2 Disposition of meteorological sensors and equipment

Over time, CASTNET equipment becomes unusable due to malfunctions, normal wear from routine use, or obsolete technology. The contractor is tasked with collecting that

equipment and storing it until the point in which it is no longer of any potential use in the network. At that point, unusable equipment should be disposed of properly. The contractor shall oversee the development of a plan to dispose of unusable equipment. That plan should include an inventory of each piece of equipment with an EPA property decal prior to removal of the decal. Also, any hardware that may potentially contain any agency-sensitive information should be sanitized prior to its inclusion in the 'EPA-property disposition plan'. This is a continuation of work that began under Task Order 0006.

2.3 Nafion Dryer Installation

CASTNET ozone analyzers located in regions that experience humid weather tend to experience moisture issues causing slow responses during the QC checks and noisy 1-minute data. With approval from EPA, the contractor shall purchase and install up to 40 nafion dryer lines at select CASTNET sites. The nafion dryer shall be placed in-line with the sampling line to dry the air as it enters the temperature controlled shelter. When appropriate the contractor should schedule the installation during a routine calibration trip.

2.4 Re-wiring of Backplanes and Installation of New Modems

This task includes follow-on work that began under Task Order 1006 under Option Period 1. Wood shall update the communication equipment for the Campbell Scientific 3000 data loggers with the NL116 data logger add-on. This will ensure the data logger internet connection will be able to communicate with the operating system.

The contractor shall also install new cellular modems at sites where the older modems no longer work with the updated software included on the data logger and that were affected by the VM Malware earlier in 2018. While installing the new modems, the backplanes will be rewired to make it easier for the site operators and the contractor to troubleshoot.

2.5 Teledyne API NO_y Umbilical Connector Retrofit Kits

Teledyne API (TAPI) provided Wood with the retrofit repair kits for the umbilical connection on the NO_y analyzers, along with a technical note for replacement of the umbilical and related conduit. Wood shall install each of the Teledyne retrofit repair kits at five CASTNET NO_y trace-level gas sites to ensure compliance with electrical codes.

2.6 QAPP and SOPs for West Virginia NCore Site

Wood shall develop a EPA-454/B-18-006-compliant Quality Assurance Project Plan (QAPP) and multiple Standard Operating Procedures (SOPs) for the West Virginia NCore site at Charleston, WV. This work is a continuation of work that began under Task Order 1015, Option Period 1. Wood shall submit a QAPP to the West Virginia Department of Environmental Protection and EPA Region 3 after incorporating all of their comments and required documentation. Wood shall also budget for additional hours to troubleshoot issues with the trace gas equipment and data loggers, including setting up auto calibrations and assisting WV DEQ with routine data validation.

2.7 Additional Maintenance, Repairs and Equipment Purchases

Additional technical direction will be given as other non-routine maintenance and repairs arise on CASTNET equipment and infrastructure. This task includes, but is not limited to aging ozone analyzers, flow controllers and data loggers.

V. DELIVERABLES

1. Technical Proposal & Cost Estimate

The contractor shall deliver a Task Order Proposal and cost estimate in accordance with clause B.7 Task Order Ordering Procedures of the contract.

2. Monthly Progress Report

The contractor shall prepare and submit a monthly progress report by the 15th of each month summarizing the progress made, issues encountered or expected, work planned for the next reporting period and costs. These reports shall comply with contract clauses F.1 Monthly Progress Report and F.5 Reports of Work. Reports shall be delivered electronically.

Additional deliverables may be required as part of future technical direction.

VI. SCHEDULE

The task order proposal shall be delivered within 10 days of issuance of this task order.

Distribution of Deliverables:

| Addressee | Copies |
|--|--------|
| EPA Contracting Officer (Mike Fox) | 1 |
| EPA Task Order Project Officer (Taylor Macy) | 1 |
| EPA Alternate TOPO (Gregory Beachley) | 1 |

Contract#: EP-W-16-015
Task Order#: 68HE0H18F1536
Project#: 2006
Modification: P00002

ATTACHMENT B
SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

| Total Funding/Obligation Amounts | | | |
|----------------------------------|--------------------|--------------------|---------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | \$85,000.00 | \$96,694.93 | \$181,694.93 |
| Total | \$85,000.00 | \$96,694.93 | \$181,694.93 |

| Total Task Order Ceiling | | | |
|--------------------------|---------------------|--------------------|---------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | \$138,481.00 | \$81,331.00 | \$219,812.00 |
| Total | \$138,481.00 | \$81,331.00 | \$219,812.00 |

Note: This task order is incrementally funded in accordance with contract clause B.5 Limitation of Government's Obligation (EPA-B-32-103).

| | | | | | | | |
|--|---|-------------------|--|---|--|--------------------------------|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | | 1. CONTRACT ID CODE | | PAGE OF PAGES | |
| | | | | | | 1 3 | |
| 2. AMENDMENT/MODIFICATION NO. | | 3. EFFECTIVE DATE | | 4. REQUISITION/PURCHASE REQ. NO. | | 5. PROJECT NO. (If applicable) | |
| P00003 | | See Block 16C | | PR-OAR-19-00361 | | 2006 | |
| 6. ISSUED BY | | CODE | | 7. ADMINISTERED BY (If other than Item 6) | | CODE | |
| HPOD | | | | | | | |
| US Environmental Protection Agency | | | | | | | |
| William Jefferson Clinton Building | | | | | | | |
| 1200 Pennsylvania Avenue, N. W. | | | | | | | |
| Mail Code: 3803R | | | | | | | |
| Washington DC 20460 | | | | | | | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) | | | | (x) 9A. AMENDMENT OF SOLICITATION NO. | | | |
| WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972 | | | | | | | |
| | | | | 9B. DATED (SEE ITEM 11) | | | |
| | | | | 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-16-015 68HE0H18F1536 | | | |
| CODE 038086125 | | FACILITY CODE | | 10B. DATED (SEE ITEM 13) 06/28/2018 | | | |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS | | | | | | | |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. | | | | | | | |
| 12. ACCOUNTING AND APPROPRIATION DATA (If required) | | | | Net Increase: | | \$38,117.07 | |
| See Schedule | | | | | | | |
| 13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14. | | | | | | | |
| CHECK ONE | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. | | | | | | |
| | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). | | | | | | |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: | | | | | | |
| X | D. OTHER (Specify type of modification and authority) EPA-B-32-103 | | | | | | |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office. | | | | | | | |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) | | | | | | | |
| DUNS Number: 038086125 | | | | | | | |
| The purpose of this modification is to add incremental funding in the amount of \$38,117.07 to this task order. | | | | | | | |
| All other terms and conditions remain unchanged. | | | | | | | |
| TOCOR: Taylor Macy | | | | | | | |
| LIST OF CHANGES: | | | | | | | |
| Reason for Modification: Funding Only Action | | | | | | | |
| Obligated Amount for this Modification: \$38,117.07 | | | | | | | |
| New Total Obligated Amount for this Award: \$219,812.00 | | | | | | | |
| Continued ... | | | | | | | |
| Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect. | | | | | | | |
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) | | | |
| | | | | Joseph Alustiza-Derocco | | | |
| 15B. CONTRACTOR/OFFEROR | | 15C. DATE SIGNED | | 16B. UNITED STATES OF AMERICA | | 16C. DATE SIGNED | |
| | | | | ELECTRONIC SIGNATURE | | 03/12/2019 | |
| (Signature of person authorized to sign) | | | | (Signature of Contracting Officer) | | | |

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| CONTINUATION SHEET | REFERENCE NO. OF DOCUMENT BEING CONTINUED | PAGE | OF |
| | EP-W-16-015/68HE0H18F1536/P00003 | 2 | 3 |

NAME OF OFFEROR OR CONTRACTOR

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|--|-----------------|-------------|-------------------|---------------|
| | <p>Incremental Funded Amount changed: from \$181,694.93 to \$219,812.00</p> <p>CHANGES FOR LINE ITEM NUMBER: 1 Obligated Amount for this Modification: \$38,117.07 Incremental Funded Amount changed from \$181,694.93 to \$219,812.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 19-20-C-58D5-000A45-2505-1958DC9025-001 Beginning FiscalYear 19 Ending Fiscal Year 20 Fund (Appropriation) C Budget Organization 58D5 Program (PRC) 000A45 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1958DC9025-001 Quantity: 0 Amount: \$38,117.07 Percent: 17.34076 Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711</p> <p>Delivery Location Code: OAR/OAP OAR/OAP US Environmental Protection Agency 1200 Pennsylvania Avenue NW Mail Code: 62101J OAR/OAP Washington DC 20460 USA</p> <p>Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711</p> <p>Continued ...</p> | | | | |

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| REFERENCE NO. OF DOCUMENT BEING CONTINUED |
| EP-W-16-015/68HE0H18F1536/P00003 |

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| PAGE | OF |
| 3 | 3 |

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|---|-----------------|-------------|-------------------|---------------|
| | Period of Performance: 07/09/2018 to 07/08/2019 | | | | |

| | | | | | |
|--|--|---|--|---|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | 1. CONTRACT ID CODE | | PAGE OF PAGES 1 2 | |
| 2. AMENDMENT/MODIFICATION NO. P00004 | | 3. EFFECTIVE DATE See Block 16C | | 4. REQUISITION/PURCHASE REQ. NO. | |
| 6. ISSUED BY HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460 | | 7. ADMINISTERED BY (If other than Item 6) HPOD | | 5. PROJECT NO. (If applicable) 2006 | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972 | | (X) | | 9A. AMENDMENT OF SOLICITATION NO. | |
| CODE 038086125 | | FACILITY CODE | | 9B. DATED (SEE ITEM 11) | |
| | | X | | 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-16-015 68HE0H18F1536 | |
| | | | | 10B. DATED (SEE ITEM 13) 06/28/2018 | |

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

| | |
|-----------|---|
| CHECK ONE | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. |
| | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: |
| X | D. OTHER (Specify type of modification and authority) Mutual Agreement of the Parties |

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 038086125

The purpose of this modification is to incorporate the revised statement of work in Accordance with Attachment A, Revised Statement of Work (5 pages) and the revised technical and cost proposal dated March 19, 2019 (12 pages). The total price of this task order is being increased by \$24,291.00 from \$219,812.00 to \$244,103.00. This order is incrementally funded as detailed in Attachment B Summary of Amounts and Ceilings and Attachment B is hereby incorporated (1 page).

This is a Time-and-Materials (T&M) task order with a total ceiling price of \$244,103.00, which the Contractor is not authorized to exceed. The Contractor exceeds at its own risk.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

| | | | |
|---|------------------|--|--------------------------------|
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Michael C. Fox | |
| 15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign) | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA (Signature of Contracting Officer) | 16C. DATE SIGNED 03/21/2019 |

Previous edition unusable

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| CONTINUATION SHEET | REFERENCE NO. OF DOCUMENT BEING CONTINUED | PAGE | OF |
| | EP-W-16-015/68HE0H18F1536/P00004 | 2 | 2 |

NAME OF OFFEROR OR CONTRACTOR

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|---|-----------------|-------------|-------------------|---------------|
| | <p>The total obligated/funded ceiling amount for this order is currently \$219,812.00. This order is incrementally funded as detailed in Attachment B Summary of Amounts and Ceilings and Attachment B is hereby incorporated (1 page).</p> <p>TOCOR: Taylor Macy</p> <p>LIST OF CHANGES:</p> <p>Reason for Modification: Supplemental Agreement for work within scope</p> <p>Total Amount for this Modification: \$24,291.00</p> <p>New Total Amount for this Version: \$244,103.00</p> <p>New Total Amount for this Award: \$244,103.00</p> <p>Buyer changed from Joseph Alustiza-Derocco</p> <p>to Michael C. Fox</p> <p>Contracting Officer changed from Joseph Alustiza-Derocco</p> <p>to Michael C. Fox</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Total Amount changed from \$219,812.00 to \$244,103.00</p> <p>FOB changed from Destination to</p> <p>CHANGES FOR DELIVERY LOCATION: OAR/OAP</p> <p>Amount changed from \$219,812.00 to \$244,103.00</p> <p>Payment:</p> <p>RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711</p> <p>Period of Performance: 07/09/2018 to 07/08/2019</p> | | | | |

Title: Non-routine Maintenance and Repairs of
CASTNET Equipment (2006)
Contractor: Wood E&IS, Inc.
Contract #: EP-W-16-015
Task Order #: 68HE0H18F1536
Period of Performance: 7/9/2018 – 7/8/2019

EPA Key Personnel

Task Order Project Officer (TOPO):

Taylor Macy
Clean Air Markets Division (OAP/OAR/CAMD)
1200 Pennsylvania Ave., NW
Mail Code 6204M
Washington, DC 20460
phone: (202) 343-9183
email: macy.taylor@epa.gov

Alternate TOPO:

Greg Beachley
Clean Air Markets Division (OAP/OAR/CAMD)
1200 Pennsylvania Ave., NW
Mail Code 6204M
Washington, DC 20460
phone: (202) 343-9621
email: beachley.gregory@epa.gov

Contracting Officer (CO):

Michael Fox
Contracting Officer
Administrative Contract Service Center
1200 Pennsylvania Ave N.W.
Mail Code 3803R
Washington DC 20460
phone: (202) 564-2550
email: fox.michael@epa.gov

STATEMENT OF WORK

I. INTRODUCTION

The Clean Air Status and Trends Network (CASTNET) is a long-term environmental monitoring network that measures changes in ambient air quality and assesses atmospheric deposition over broad geographic regions of the U.S. (<https://www.epa.gov/castnet>). Operating since 1987, CASTNET has evolved into a robust regional monitoring program which currently consists of approximately 95 monitoring stations nationwide. The Environmental Protection Agency (EPA) coordinates the operation of the network in cooperation with numerous federal, tribal, state and local partners.

The primary monitoring objectives of CASTNET are to:

- Provide high quality data on atmospheric deposition, rural ground level ozone and other forms of atmospheric pollution;
- Support the primary and secondary ozone NAAQS and provide data on NAAQS compliance in rural areas;
- Monitor the status and trends in regional air quality and atmospheric deposition;
- Assess and report on geographic patterns and long-term, temporal trends in ambient air pollution and atmospheric deposition;
- Improve our understanding of PM and ozone formation;
- Validate and improve atmospheric models;
- Provide data for health-based research and epidemiology studies;
- Assess the effectiveness of EPA's emission reduction programs; and
- Support science and ecosystem studies.

CASTNET sites measure weekly average concentrations of sulfate (SO_4^{2-}), nitrate (NO_3^-), ammonium (NH_4^+), sulfur dioxide (SO_2), nitric acid (HNO_3), chloride (Cl^-) and the base cations (Na^+ , K^+ , Mg^{2+} and Ca^{2+}) using a 3-stage filter pack. In addition, each site may make ancillary measurements, including hourly ozone (O_3), hourly meteorology, ammonia (NH_3) gas using passive devices, and trace-level gases. Trace-level gas monitors include reactive oxidized nitrogen (NO_y), nitric oxide (NO), sulfur dioxide (SO_2) and carbon monoxide (CO). CASTNET O_3 , meteorological, and trace gas measurements follow the requirements in the Code of Federal Regulations (CFR) and EPA's Quality Assurance Handbook.

II. PURPOSE

The primary purpose of this task order is to perform non-routine maintenance on CASTNET equipment and infrastructure repairs due to unforeseen circumstances, including errors or faulty parts/equipment on the part of manufacturers, or the discontinuation of measurements at current monitoring sites. This work should be considered out of scope from the base operations task orders in place for Task Orders 2003 and 2004 (CASTNET Base Program and CASTNET Tribal

Base Program, respectively), which cover routine, expected maintenance. The TOPO may provide technical direction for performing specific tasks under this task order.

III. CONTRACT LEVEL STATEMENT OF WORK REFERENCE

The tasks to be performed under this task order are consistent with the activities authorized in Task 22 (Level of Effort) of the contract's Statement of Work.

IV. TECHNICAL DIRECTION

1. Prepare a Task Order Technical Proposal & Cost Estimate

The Contractor shall prepare a Task Order Proposal and Cost Estimate in accordance with the terms and conditions of contract clauses B.1 entitled Fixed Rates for Services – Indefinite delivery/Indefinite quantity contract, using time and materials with a cost ceiling, and will submit it to EPA.

The purpose of this modification is to add Task 2.8 Decommission the Howland Ameriflux, ME (HOW191) site and install an O₃ system at the Duke Forest, NC (DUK008) Flux Tower site.

2. Perform Non-Routine Maintenance and Repairs

2.1 Repair of CASTNET shelters

The site shelter enclosures themselves are important to allow for proper operating conditions to be maintained to meet rigorous quality assurance standards for regulatory NAAQS measurements. Most of the shelters in the network have been in place for upwards of 20 years or more. They are subject to normal wear and tear and also exposed to harsh weather conditions that may cause significant damage over time. Cost analyses show that repair of these shelters is much more cost-effective than a replacement. The contractor shall monitor shelters for repair needs and arrange and conduct the repairs when needed. The repairs may range from minor maintenance to major repairs such as roof or floor replacements. Repairs shall be made in a way to minimize their impact on the sampling schedule.

2.1.1 Hurricane Repairs and Maintenance

a. Hurricane damage to Beaufort, NC (BFT142)

The coastal site (BFT142) located near Beaufort, NC, was significantly damaged when Hurricane Florence made landfall nearby. Wood shall assess and make necessary infrastructure repairs to the shelter, filter pack flow tower, and digital rain gauge. This shall include securing the shelter and tower so there are no safety issues by pouring a new concrete pad(s) and re-anchoring the shelter and tower. After the repairs have been made, the contractor shall reinstall the equipment in the shelter and at the outside locations (e.g. the digital raingage). Equipment shall be audited and calibrated as needed.

b. Hurricane damage to Sumatra, FL (SUM156)

Hurricane Michael made landfall near the coastal CASTNET site in Florida (SUM146). The contractor shall assess and make repairs to the infrastructure, equipment and power. Maintenance may include tree clearing and removal to access the site. When power is restored, equipment shall be audited and calibrated as needed.

c. Infrastructure damage to Blackwater National Wildlife Refuge, MD (BWR139)

The BWR139 site is located in a tidal wetland area near the Maryland coast. The Blackwater National Wildlife Refuge is designated priority wetland. High humidity from the surrounding wetlands combined with high temperatures and extreme weather events have contributed to significant deterioration of the shelter. The contractor shall make infrastructure repairs to fix existing damage and prevent further deterioration.

2.2 Disposition of meteorological sensors and equipment

Over time, CASTNET equipment becomes unusable due to malfunctions, normal wear from routine use, or obsolete technology. The contractor is tasked with collecting that equipment and storing it until the point in which it is no longer of any potential use in the network. At that point, unusable equipment shall be disposed of properly. The contractor shall oversee the development of a plan to dispose of unusable equipment. That plan shall include an inventory of each piece of equipment with an EPA property decal prior to removal of the decal. Also, any hardware that may potentially contain any agency-sensitive information should be sanitized prior to its inclusion in the 'EPA-property disposition plan'. This is a continuation of work that began under Task Order 0006.

2.3 Nafion Dryer Installation

CASTNET ozone analyzers located in regions that experience humid weather tend to experience moisture issues causing slow responses during the QC checks and noisy 1-minute data. With approval from EPA, the contractor shall purchase and install up to 40 Nafion dryer lines at select CASTNET sites. The Nafion dryer shall be placed in-line with the existing sampling line to dry the air as it enters the temperature-controlled shelter. When appropriate, the contractor shall schedule the installation during a routine calibration trip.

2.4 Upgrading Data Loggers and Site Communications Equipment

The contractor shall upgrade data logger and site communications-related equipment. This is a follow-on to work that began under Task Order 1006. The NL115 data logger add-on which provides Ethernet connectivity to the data logger, is no longer available from Campbell Scientific, Inc. The NL115 is required at all sites with a CR3000 data logger. Its replacement, the NL116, is not compatible with the current data logger operating system and program. The contractor shall switch from NL115 to NL116 units at all sites. The contractor shall purchase 60 additional NL116 units to retrofit all sites with the new units. Replacements shall be performed during normal calibration visits.

2.5 Re-wiring of Backplanes and Installation of New Modems

The original Sierra Wireless Airlink Raven cellular modems purchased when the network was upgraded with CR3000 data loggers are no longer available or supported. As the modems fail, the contractor shall replace the modems with newer cellular modems. In addition, support for the 3G cellular networks is ending for both AT&T and Verizon. The contractor shall identify and purchase modems that are compatible with the 4G/LTE networks. At the same time the modems are being replaced, the contractor shall rewire the new backplanes so the backplanes are standardized across the network.

2.6 Teledyne API NO_y Umbilical Connector Retrofit Kits

Teledyne API (TAPI) provided Wood with the retrofit repair kits for the umbilical connection on the NO_y analyzers, along with a technical note for replacement of the umbilical and related conduit. Wood shall install each of the Teledyne retrofit repair kits at five CASTNET NO_y trace-level gas sites to ensure compliance with electrical codes.

2.7 QAPP and SOPs for West Virginia NCore Site

Wood shall develop a EPA-454/B-18-006-compliant Quality Assurance Project Plan (QAPP) and multiple Standard Operating Procedures (SOPs) for the West Virginia NCore site at Charleston, WV. This work is a continuation of work that began under Task Order 1015, Option Period 1. Wood shall submit a QAPP to the West Virginia Department of Environmental Protection and EPA Region 3 after incorporating all of their comments and required documentation. Wood shall also budget for additional hours to troubleshoot issues with the trace gas equipment and data loggers, including setting up auto calibrations and assisting WV DEQ with routine data validation.

2.7 Additional Maintenance, Repairs and Equipment Purchases

Additional technical direction will be given as other non-routine maintenance and repairs arise on CASTNET equipment and infrastructure. This task includes, but is not limited to aging ozone analyzers, flow controllers and data loggers.

2.8 Decommission the Howland Ameriflux Site, ME (HOW191)

The site at HOW191 has operated as a special study for 8-years. A useful dataset has been collected and the equipment can be utilized elsewhere. The contractor shall perform a final calibration on the ozone and filter pack during the regularly scheduled calibration trip in 2019. The contractor shall decommission the site by removing all CASTNET equipment and shipping it back to the contractor's facility. The contractor shall work with the operator and land owner to ensure the site is returned to the same condition as it was before CASTNET equipment was installed.

2.9 Install a CASTNET O₃ System at the Duke Forest, NC (DUK008) Flux Tower Site

The contractor shall install a CASTNET O₃ system, including a site analyzer and level 3 transfer standard at the Duke Forest, NC (DUK008) Flux Tower site. The O₃ inlet may be placed in the pothead with the filterpack at the top of the 30m flux tower. The contractor shall set up the system following the CASTNET protocols detailed in the QAPP v9.1; with the exception of the sample line running up the length of the walk-up tower. The

existing data logger shall be used for data polling and to initiate the nightly QC checks. The operation, data QA and reporting will be included as a unit CLIN under Task Order 68HE0H18F1533 (2003) Base Operations.

V. DELIVERABLES

1. Technical Proposal & Cost Estimate

The contractor shall deliver a Task Order Proposal and cost estimate in accordance with clause B.7 Task Order Ordering Procedures of the contract.

2. Monthly Progress Report

The contractor shall prepare and submit a monthly progress report by the 15th of each month summarizing the progress made, issues encountered or expected, work planned for the next reporting period and costs. These reports shall comply with contract clauses F.1 Monthly Progress Report and F.5 Reports of Work. Reports shall be delivered electronically.

Additional deliverables may be required as part of future technical direction.

VI. SCHEDULE

The task order proposal shall be delivered within 10 days of issuance of this task order.

Distribution of Deliverables:

| Addressee | Copies |
|--|--------|
| EPA Contracting Officer (Mike Fox) | 1 |
| EPA Project Officer (Melissa Puchalski) | 1 |
| EPA Task Order Project Officer (Taylor Macy) | 1 |
| EPA Alternate TOPO (Gregory Beachley) | 1 |

Contract#: EP-W-16-015
Task Order#: 68HE0H18F1536
Project#: 2006
Modification: P00004

ATTACHMENT B
SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

| Total Funding/Obligation Amounts | | | |
|---|---|---|---------------------|
| Period | Previous Amount (Mod P00003) | Previous Action (Mod P00003) | New Amount |
| Base Period | \$181,694.93 | \$38,117.07 | \$219,812.00 |
| Total | \$181,694.93 | \$38,117.07 | \$219,812.00 |

| Total Task Order Ceiling | | | |
|---------------------------------|------------------------|--------------------|---------------------|
| Period | Previous Amount | This Action | New Amount |
| Base Period | \$219,812.00 | \$24,291.00 | \$244,103.00 |
| Total | \$219,812.00 | \$24,291.00 | \$244,103.00 |

Note: This task order is incrementally funded in accordance with contract clause B.5 Limitation of Government's Obligation (EPA-B-32-103).

| | | | | | |
|--|--|------------------------------------|--|---|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | 1. CONTRACT ID CODE | | PAGE OF PAGES | |
| | | | | 1 2 | |
| 2. AMENDMENT/MODIFICATION NO. P000005 | | 3. EFFECTIVE DATE See Block 16C | | 4. REQUISITION/PURCHASE REQ. NO. PR-OAR-19-00962 | |
| 5. PROJECT NO. (If applicable) 2006 | | 6. ISSUED BY HQAD | | 7. ADMINISTERED BY (If other than Item 6) CODE | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972 | | (X) | | 9A. AMENDMENT OF SOLICITATION NO. | |
| CODE 038086125 | | FACILITY CODE | | 9B. DATED (SEE ITEM 11) | |
| | | X | | 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-16-015 68HE0H18F1536 | |
| | | | | 10B. DATED (SEE ITEM 13) 06/28/2018 | |

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Schedule Net Increase: \$24,291.00

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

| | |
|-----------|---|
| CHECK ONE | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. |
| | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: |
| X | D. OTHER (Specify type of modification and authority) Mutual Agreement of the Parties |

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
DUNS Number: 038086125

The purpose of this modification is to add incremental funding in the amount of \$24,291.00. This order is now fully funded as detailed in Attachment B Summary of Amounts and Ceilings and Attachment B is hereby incorporated (1 page).

This is a Time-and-Materials (T&M) task order with a total ceiling price of \$244,103.00, which the Contractor is not authorized to exceed. The Contractor exceeds at its own risk.

TOCOR: Taylor Macy
LIST OF CHANGES:
Reason for Modification: Funding Only Action
Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

| | | | |
|---|------------------|--|--------------------------------|
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Michael C. Fox | |
| 15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign) | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA (Signature of Contracting Officer) | 16C. DATE SIGNED 05/22/2019 |

Previous edition unusable

| | | | |
|---------------------------|---|------|----|
| CONTINUATION SHEET | REFERENCE NO. OF DOCUMENT BEING CONTINUED | PAGE | OF |
| | EP-W-16-015/68HE0H18F1536/P00005 | 2 | 2 |

NAME OF OFFEROR OR CONTRACTOR

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|---|-----------------|-------------|-------------------|---------------|
| | <p>Obligated Amount for this Modification: \$24,291.00 New Total Obligated Amount for this Award: \$244,103.00 Incremental Funded Amount changed: from \$219,812.00 to \$244,103.00</p> <p>CHANGES FOR LINE ITEM NUMBER: 1 Obligated Amount for this Modification: \$24,291.00 Incremental Funded Amount changed from \$219,812.00 to \$244,103.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 19-20-C-58D3-000A45-2505-1958DC9051-001 Beginning FiscalYear 19 Ending Fiscal Year 20 Fund (Appropriation) C Budget Organization 58D3 Program (PRC) 000A45 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1958DC9051-001 Amount: \$24,291.00 Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711</p> <p>Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711</p> <p>Period of Performance: 07/09/2018 to 07/08/2019</p> | | | | |

Contract#: EP-W-16-015
Task Order#: 68HE0H18F1536
Project#: 2006
Modification: P00005

ATTACHMENT B
SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

| Total Funding/Obligation Amounts | | | |
|----------------------------------|---------------------|--------------------|---------------------|
| Period | Previous Amount | Previous Action | New Amount |
| Base Period | \$219,812.00 | \$24,291.00 | \$244,103.00 |
| Total | \$219,812.00 | \$24,291.00 | \$244,103.00 |

| Total Task Order Ceiling | | | |
|--------------------------|---------------------|-------------|---------------------|
| Period | Previous Amount | This Action | New Amount |
| Base Period | \$244,103.00 | - | \$244,103.00 |
| Total | \$244,103.00 | - | \$244,103.00 |

Note: This task order is incrementally funded in accordance with contract clause B.5 Limitation of Government's Obligation (EPA-B-32-103).

| | | | | | |
|--|---|---|--|--|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | 1. CONTRACT ID CODE | | PAGE OF PAGES 1 2 | |
| 2. AMENDMENT/MODIFICATION NO. P00006 | | 3. EFFECTIVE DATE See Block 16C | | 4. REQUISITION/PURCHASE REQ. NO. | |
| 5. PROJECT NO. (If applicable) 2006 | | 6. ISSUED BY CODE HQAD | | 7. ADMINISTERED BY (If other than Item 6) CODE | |
| HQAD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460 | | | | | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) | | (x) 9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) | | | |
| WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972 | | x 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-16-015 68HE0H18F1536 10B. DATED (SEE ITEM 13) 06/28/2018 | | | |
| CODE 038086125 | | FACILITY CODE | | | |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS | | | | | |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. | | | | | |
| 12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule | | Net Decrease: | | -\$30,166.75 | |
| 13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14. | | | | | |
| CHECK ONE | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. | | | | |
| | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). | | | | |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: | | | | |
| X | D. OTHER (Specify type of modification and authority) EPA-B-32-103 - LIMITATION OF GOVERNMENT'S OBLIGATION | | | | |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office. | | | | | |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) | | | | | |
| DUNS Number: 038086125 The purpose of this modification is to de-obligate funding in the amount of \$30,166.75 from this task order. TOCOR: Taylor Macy LIST OF CHANGES: Reason for Modification: Funding Only Action Obligated Amount for this Modification: -\$30,166.75 New Total Obligated Amount for this Award: \$213,936.25 Incremental Funded Amount changed: from \$244,103.00 to \$213,936.25 CHANGES FOR LINE ITEM NUMBER: 1 Continued ... | | | | | |
| Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect. | | | | | |
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Michael C. Fox | | | |
| 15B. CONTRACTOR/OFFEROR | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA | | 16C. DATE SIGNED | |
| (Signature of person authorized to sign) | |  (Signature of Contracting Officer) | | ELECTRONIC SIGNATURE 10/16/2019 | |

| | | | |
|---------------------------|---|------|----|
| CONTINUATION SHEET | REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-16-015/68HE0H18F1536/P00006 | PAGE | OF |
| | | 2 | 2 |

NAME OF OFFEROR OR CONTRACTOR
WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|--|-----------------|-------------|-------------------|---------------|
| | <p>Obligated Amount for this Modification: -\$30,166.75 Incremental Funded Amount changed from \$244,103.00 to \$213,936.25</p> <p>CHANGES FOR ACCOUNTING CODE: 19-20-C-58D5-000A45-2505-1958DC9010-001 Amount changed from \$56,694.93 to \$26,528.18</p> <p>Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 07/09/2018 to 07/08/2019</p> | | | | |

| | | | | | | | |
|--|---|---|--|--|--|---|------------------------------------|
| SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS <i>OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30</i> | | | | 1. REQUISITION NUMBER PR-OAR-18-00724 | | PAGE OF 1 3 | |
| 2. CONTRACT NO. EP-W-16-015 | | 3. AWARD/ EFFECTIVE DATE 07/09/2018 | | 4. ORDER NUMBER 68HE0H18F1537 | | 5. SOLICITATION NUMBER | |
| 6. SOLICITATION ISSUE DATE | | | | | | | |
| 7. FOR SOLICITATION INFORMATION CALL: | | a. NAME Michael Fox | | | b. TELEPHONE NUMBER (No collect calls) 202-564-2550 | | 8. OFFER DUE DATE/LOCAL TIME ET |
| 9. ISSUED BY HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460 | | | | 10. THIS ACQUISITION IS <input checked="" type="checkbox"/> UNRESTRICTED OR <input type="checkbox"/> SET ASIDE: % FOR: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> HUBZONE SMALL BUSINESS <input type="checkbox"/> SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS </div> <div> <input type="checkbox"/> WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOMEN-OWNED SMALL BUSINESS PROGRAM <input type="checkbox"/> EDWOSB <input type="checkbox"/> 8(A) </div> <div> NAICS: 541620 SIZE STANDARD: \$15.0 </div> </div> | | | |
| 11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input checked="" type="checkbox"/> SEE SCHEDULE | | 12. DISCOUNT TERMS | | 13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700) | | 13b. RATING | |
| 15. DELIVER TO OAR/OAP US Environmental Protection Agency 1200 Pennsylvania Avenue NW Mail Code: 62101J OAR/OAP Washington DC 20460 | | CODE OAR/OAP | | 16. ADMINISTERED BY HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460 | | CODE HPOD | |
| 17a. CONTRACTOR/OFFEROR WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972 (b)(4) TELEPHONE NO. | | CODE 038086125 FACILITY CODE | | 18a. PAYMENT WILL BE MADE BY RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 | | CODE RTP FMC | |
| <input type="checkbox"/> 17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER | | | | <input type="checkbox"/> 18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK BELOW IS CHECKED <input type="checkbox"/> SEE ADDENDUM | | | |
| 19. ITEM NO. | 20. SCHEDULE OF SUPPLIES/SERVICES | | | 21. QUANTITY | 22. UNIT | 23. UNIT PRICE | 24. AMOUNT |
| | DUNS Number: 038086125 This task order is issued in accordance with Task Order Ordering Procedures and hereby incorporates the base contract terms and conditions by reference. The effective date for performance to commence is July 9, 2018. The Contractor shall perform in accordance with the Attachment A Statement of Work (4 pages) and the accepted technical proposal and cost estimate dated May 25, 2018 (6 pages) in the amount of <i>(Use Reverse and/or Attach Additional Sheets as Necessary)</i> | | | | | | |
| 25. ACCOUNTING AND APPROPRIATION DATA See Schedule | | | | | | 26. TOTAL AWARD AMOUNT (For Govt. Use Only) \$11,184.00 | |
| <input type="checkbox"/> 27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4, FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA <input checked="" type="checkbox"/> 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4, FAR 52.212-5 IS ATTACHED. ADDENDA | | | | | | <input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED. <input type="checkbox"/> ARE <input checked="" type="checkbox"/> ARE NOT ATTACHED. | |
| <input type="checkbox"/> 28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED. | | | | <input type="checkbox"/> 29. AWARD OF CONTRACT: _____ OFFER DATED _____. YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS: | | | |
| 30a. SIGNATURE OF OFFEROR/CONTRACTOR | | | | 31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER) | | | |
| 30b. NAME AND TITLE OF SIGNER (Type or print) | | 30c. DATE SIGNED | | 31b. NAME OF CONTRACTING OFFICER (Type or print) Michael C. Fox | | 31c. DATE SIGNED | |

| 19. ITEM NO. | 20. SCHEDULE OF SUPPLIES/SERVICES | 21. QUANTITY | 22. UNIT | 23. UNIT PRICE | 24. AMOUNT |
|-----------------|--|-----------------|-------------|-------------------|---------------|
| 0001 | <p>\$11,184.00.</p> <p>This is a Time-and-Materials (T&M) task order with a total ceiling price of \$11,184.00, which the Contractor is not authorized to exceed. The Contractor exceeds at its own risk.</p> <p>The total obligated/funded ceiling amount for this order is currently \$5,000.00. This order is incrementally funded as detailed in Attachment B Summary of Amounts and Ceilings and Attachment B is hereby incorporated (1 page).</p> <p>Contracting Officer's Representative (COR) for this task order: Gregory Beachley, (202) 343-9621, Beachley.Gregory@epa.gov</p> <p>Alternate COR: Melissa Puchalski, (202) 343-9882, Puchalski.Melissa@epa.gov</p> <p>The services of this order are for severable. TOCOR: Greg Beachley Period of Performance: 07/09/2018 to 07/08/2019</p> <p>Procurement of Supplies and Consumables for MARGA Operations at CASTNET Sites</p> <p>Continued ...</p> | | | | |

32a. QUANTITY IN COLUMN 21 HAS BEEN

☐ RECEIVED ☐ INSPECTED ☐ ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED: _____

| | | | | |
|---|------------------------|--------------------------------------|--|-----------------------|
| 32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | | 32c. DATE | 32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | |
| 32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE | | | 32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE | |
| | | | 32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE | |
| 33. SHIP NUMBER | 34. VOUCHER NUMBER | 35. AMOUNT VERIFIED CORRECT FOR | 36. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL | 37. CHECK NUMBER |
| <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL | | | | |
| 38. S/R ACCOUNT NUMBER | 39. S/R VOUCHER NUMBER | 40. PAID BY | | |
| 41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT | | 42a. RECEIVED BY (<i>Print</i>) | | |
| 41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER | | 42b. RECEIVED AT (<i>Location</i>) | | |
| | | 42c. DATE REC'D (YY/MM/DD) | | 42d. TOTAL CONTAINERS |
| | | | | |

NAME OF OFFEROR OR CONTRACTOR
WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|--|-----------------|-------------|-------------------|---------------|
| | Accounting Info: 18-19-C-58D5-000A45-2505-1858DC8047-001 BFY: 18 EFY: 19 Fund: C Budget Org: 58D5 Program (PRC): 000A45 Budget (BOC): 2505 DCN - Line ID: 1858DC8047-001 Funding Flag: Complete Funded: \$5,000.00 | | | | |

ATTACHEMENT A

Statement of Work

Title: Procurement of Supplies and Consumables for
MARGA Operation at CASTNET Sites
Contract #: EP-W-16-015
Project #: 2007
Period of Performance: 7/9/2018 – 7/8/2019

EPA Key Personnel

Task Order Project Officer (TOPO):

Greg Beachley
Clean Air Markets Division (OAP/OAR/CAMD)
1200 Pennsylvania Ave., NW
Mail Code 6204M
Washington, DC 20460
phone: (202) 343-9621
email: beachley.gregory@epa.gov

Alternate Task Order Project Officer/Project Officer:

Melissa Puchalski
Clean Air Markets Division (OAP/OAR/CAMD)
1200 Pennsylvania Ave., NW
Mail Code 6204M
Washington, DC 20460
phone: (202) 343-9882
email: puchalski.melissa@epa.gov

Contracting Officer (CO):

Michael Fox
Contracting Officer
Administrative Contract Service Center
1200 Pennsylvania Ave N.W.
Mail Code 3803R
Washington DC 20460
phone: (202) 564-2550
email: fox.michael@epa.gov

STATEMENT OF WORK

I. INTRODUCTION

The Clean Air Status and Trends Network (CASTNET) is a long-term environmental monitoring network that measures changes in ambient air quality and assesses atmospheric deposition over broad geographic regions of the U.S. (<https://www.epa.gov/castnet>). Operating since 1987, CASTNET has evolved into a robust regional monitoring program which currently consists of approximately 95 monitoring stations nationwide. The Environmental Protection Agency (EPA) coordinates the operation of the network in cooperation with numerous federal, tribal, state and local partners.

The primary monitoring objectives of CASTNET are to:

- Provide high quality data on atmospheric deposition, rural ground level ozone and other forms of atmospheric pollution;
- Support the primary and secondary ozone NAAQS and provide data on NAAQS compliance in rural areas;
- Monitor the status and trends in regional air quality and atmospheric deposition;
- Assess and report on geographic patterns and long-term, temporal trends in ambient air pollution and atmospheric deposition;
- Improve our understanding of PM and ozone formation;
- Validate and improve atmospheric models;
- Provide data for health-based research and epidemiology studies;
- Assess the effectiveness of EPA's emission reduction programs; and
- Support science and ecosystem studies.

CASTNET sites measure weekly average concentrations of sulfate (SO_4^{2-}), nitrate (NO_3^-), ammonium (NH_4^+), sulfur dioxide (SO_2), nitric acid (HNO_3), chloride (Cl^-) and the base cations (Na^+ , K^+ , Mg^{2+} and Ca^{2+}) using a 3-stage filter pack. In addition, each site may make ancillary measurements, including hourly ozone (O_3), hourly meteorology, ammonia (NH_3) gas using passive devices, and trace-level gases. Trace-level gas monitors include reactive oxidized nitrogen (NO_y), nitric oxide (NO), sulfur dioxide (SO_2) and carbon monoxide (CO). CASTNET O_3 , meteorological, and trace gas measurements follow the requirements in the Code of Federal Regulations (CFR) and EPA's Quality Assurance Handbook.

II. PURPOSE

The primary purpose of this task is for the procurement of supplies and consumables that will be used for the operation and maintenance of the Monitor for Aerosols and Gases in Ambient Air (MARGA) systems operated in support of CASTNET. The key activities under this task will be to ship the existing MARGA units from the current operating locations to the Principle Investigators that will operate the MARGA units in FY2018. This task order is a continuation of

work that began under EP-W-09-028 Task Order 0435 and a follow-on to task order 0007 under this contract.

III. CONTRACT LEVEL STATEMENT OF WORK REFERENCE

The tasks to be performed under this task order are consistent with the activities authorized in Task 22 (Level of Effort) of the contract's Statement of Work.

IV. TECHNICAL DIRECTION

1. Prepare a Task Order Technical Proposal and Cost Estimate

The Contractor shall prepare a Task Order Proposal in accordance with the terms and conditions of contract clauses B.2 entitled Fixed Rates for Services – Indefinite delivery/Indefinite quantity contract, using time and materials with a cost ceiling, and will submit it to EPA.

2. Shipment of Instruments

The contractor shall assist TOPO in shipping all designated MARGA units including freight costs and necessary materials.

3. Field Set-up and Operations

The contractor shall procure and deliver supplies and consumables, as directed by the TOPO to support the setup, operation, and maintenance of the direct deposition instrument at a yet-to-be determined research site.

During the period of performance, on an approximately a monthly basis, the TOPO will provide AMEC Foster Wheeler with an itemized list of parts, supplies and consumables needed for the operation and calibration of the MARGAs. Potential vendors will be identified whenever possible. AMEC will deliver all parts, materials and supplies as directed by the TOPO.

Table 1 summarizes the types of materials and supplies required for Task Order 2007 and the estimated total cost.

Table 1 Materials and Supplies

| Items | Total Cost* |
|-----------------------------|--------------------|
| MARGA replacement parts | \$5,000 |
| Shipping (\$1,000 per unit) | \$1,000 |

NOTE: * - Not to be exceeded

V. DELIVERABLES

1. Task Order Technical Proposal and Cost Estimate

The contractor shall deliver a Task Order Proposal and Cost Estimate in accordance with clause B.7 Task Order Ordering Procedures of the contract and section IV.1 of this SOW

2. Monthly Progress Report

The contractor shall prepare and submit a monthly progress report by the 15th of each month summarizing the progress made, issues encountered or expected, work planned for the next reporting period and costs. These reports shall comply with contract clauses F.1 Monthly Progress Report and F.5 Reports of Work. Reports shall be delivered electronically.

Additional deliverables may be required as part of future technical direction.

VI. SCHEDULE

The task order proposal shall be delivered within 10 days of issuance of this task order.

Distribution of Deliverables:

| Addressee | Copies |
|---|--------|
| EPA Contracting Officer (Mike Fox) | 1 |
| EPA TOPO (Greg Beachley) | 1 |
| EPA Alternate TOPO/PO (Melissa Puchalski) | 1 |

Revisions to SOW:

ATTACHMENT B
SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

| Total Funding/Obligation Amounts | | | |
|----------------------------------|-----------------|-------------------|-------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | - | \$5,000.00 | \$5,000.00 |
| Total | - | \$5,000.00 | \$5,000.00 |

| Total Task Order Ceiling | | | |
|--------------------------|-----------------|--------------------|--------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | - | \$11,184.00 | \$11,184.00 |
| Total | - | \$11,184.00 | \$11,184.00 |

Note: This task order is incrementally funded in accordance with contract clause B.5 Limitation of Government's Obligation (EPA-B-32-103).

| | | | | | |
|--|--|------------------------------------|--|---|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | 1. CONTRACT ID CODE | | PAGE OF PAGES | |
| | | | | 1 2 | |
| 2. AMENDMENT/MODIFICATION NO. P00001 | | 3. EFFECTIVE DATE See Block 16C | | 4. REQUISITION/PURCHASE REQ. NO. PR-OAR-19-01254 | |
| 5. PROJECT NO. (If applicable) 2007 | | 6. ISSUED BY HPOD | | 7. ADMINISTERED BY (If other than Item 6) CODE | |
| HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460 | | | | | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972 | | (x) | | 9A. AMENDMENT OF SOLICITATION NO. | |
| | | | | 9B. DATED (SEE ITEM 11) | |
| | | x | | 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-16-015 68HE0H18F1537 | |
| | | | | 10B. DATED (SEE ITEM 13) 06/28/2018 | |
| CODE 038086125 | | FACILITY CODE | | | |

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) Net Increase: \$373.33
See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

| | |
|-----------|---|
| CHECK ONE | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. |
| | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: |
| X | D. OTHER (Specify type of modification and authority) EPA-B-32-103 - LIMITATION OF GOVERNMENT'S OBLIGATION |

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 038086125

The purpose of this modification is to obligate incremental funding in the amount of \$373.33 to this task order.

TOCOR: Greg Beachley

LIST OF CHANGES:

Reason for Modification: Funding Only Action

Obligated Amount for this Modification: \$373.33

New Total Obligated Amount for this Award: \$5,373.33

Incremental Funded Amount changed: from

\$5,000.00 to \$5,373.33

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

| | | | |
|---|------------------|--|--------------------------------|
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Michael C. Fox | |
| 15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign) | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA (Signature of Contracting Officer) | 16C. DATE SIGNED 08/07/2019 |

Previous edition unusable

| | | | |
|---------------------------|---|------|----|
| CONTINUATION SHEET | REFERENCE NO. OF DOCUMENT BEING CONTINUED | PAGE | OF |
| | EP-W-16-015/68HE0H18F1537/P00001 | 2 | 2 |

NAME OF OFFEROR OR CONTRACTOR

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|--|-----------------|-------------|-------------------|---------------|
| | <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Obligated Amount for this Modification: \$373.33</p> <p>Incremental Funded Amount changed from \$5,000.00 to \$5,373.33</p> <p>NEW ACCOUNTING CODE ADDED:</p> <p>Account code:</p> <p>19-20-B-58D1-000A45-2505-1958DC9079-001</p> <p>Beginning FiscalYear 19</p> <p>Ending Fiscal Year 20</p> <p>Fund (Appropriation) B</p> <p>Budget Organization 58D1</p> <p>Program (PRC) 000A45</p> <p>Budget (BOC) 2505</p> <p>Job # (Site/Project)</p> <p>Cost Organization</p> <p>DCN-LineID 1958DC9079-001</p> <p>Amount: \$373.33</p> <p>Subject To Funding: N</p> <p>Payment Address:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center (AA216-01)</p> <p>109 TW Alexander Drive</p> <p>www2.epa.gov/financial/contracts</p> <p>Durham NC 27711</p> <p>Payment:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center (AA216-01)</p> <p>109 TW Alexander Drive</p> <p>www2.epa.gov/financial/contracts</p> <p>Durham NC 27711</p> <p>Period of Performance: 07/09/2018 to 07/08/2019</p> | | | | |

ATTACHMENT B
SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

| Total Funding/Obligation Amounts | | | |
|----------------------------------|-------------------|-----------------|-------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | \$5,000.00 | \$373.33 | \$5,373.33 |
| Total | \$5,000.00 | \$373.33 | \$5,373.33 |

| Total Task Order Ceiling | | | |
|--------------------------|-----------------|-------------|--------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | - | - | \$11,184.00 |
| Total | - | - | \$11,184.00 |

Note: This task order is incrementally funded in accordance with contract clause B.5 Limitation of Government's Obligation (EPA-B-32-103).

| | | | | | | | |
|---|---|---|--|--|--|--|------------------------------------|
| SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS <i>OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30</i> | | | | 1. REQUISITION NUMBER PR-OAR-18-00633 | | PAGE OF 1 3 | |
| 2. CONTRACT NO. EP-W-16-015 | | 3. AWARD/ EFFECTIVE DATE 07/09/2018 | | 4. ORDER NUMBER 68HE0H18F1539 | | 5. SOLICITATION NUMBER | |
| 6. SOLICITATION ISSUE DATE | | | | | | | |
| 7. FOR SOLICITATION INFORMATION CALL: | | a. NAME Michael Fox | | | b. TELEPHONE NUMBER (No collect calls) 202-564-2550 | | 8. OFFER DUE DATE/LOCAL TIME ET |
| 9. ISSUED BY HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460 | | | | 10. THIS ACQUISITION IS <input checked="" type="checkbox"/> UNRESTRICTED OR <input type="checkbox"/> SET ASIDE: % FOR: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> HUBZONE SMALL BUSINESS <input type="checkbox"/> SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS </div> <div> <input type="checkbox"/> WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOMEN-OWNED SMALL BUSINESS PROGRAM <input type="checkbox"/> EDWOSB <input type="checkbox"/> 8(A) </div> <div> NAICS: 541620 SIZE STANDARD: \$15.0 </div> </div> | | | |
| 11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input checked="" type="checkbox"/> SEE SCHEDULE | | 12. DISCOUNT TERMS | | 13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700) <input type="checkbox"/> | | 13b. RATING | |
| 15. DELIVER TO OAR/OAP US Environmental Protection Agency 1200 Pennsylvania Avenue NW Mail Code: 62101J OAR/OAP Washington DC 20460 | | CODE OAR/OAP | | 16. ADMINISTERED BY HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460 | | CODE HPOD | |
| 17a. CONTRACTOR/OFFEROR WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972 (b)(4) TELEPHONE NO. | | CODE 038086125 FACILITY CODE | | 18a. PAYMENT WILL BE MADE BY RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 | | CODE RTP FMC | |
| <input type="checkbox"/> 17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER | | | | <input type="checkbox"/> 18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK BELOW IS CHECKED <input type="checkbox"/> SEE ADDENDUM | | | |
| 19. ITEM NO. | 20. SCHEDULE OF SUPPLIES/SERVICES | | | 21. QUANTITY | 22. UNIT | 23. UNIT PRICE | 24. AMOUNT |
| | DUNS Number: 038086125 This task order is issued in accordance with Task Order Ordering Procedures and hereby incorporates the base contract terms and conditions by reference. The effective date for performance to commence is July 9, 2018. The Contractor shall perform in accordance with the Attachment A Statement of Work (3 pages) and the accepted technical proposal and cost estimate dated May 29, 2018 (7 pages) in the amount of <i>(Use Reverse and/or Attach Additional Sheets as Necessary)</i> | | | | | | |
| 25. ACCOUNTING AND APPROPRIATION DATA See Schedule | | | | | | 26. TOTAL AWARD AMOUNT (For Govt. Use Only) \$52,527.00 | |
| <input type="checkbox"/> 27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4, FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA <input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED. <input checked="" type="checkbox"/> 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4, FAR 52.212-5 IS ATTACHED. ADDENDA <input type="checkbox"/> ARE <input checked="" type="checkbox"/> ARE NOT ATTACHED. | | | | | | | |
| <input type="checkbox"/> 28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED. | | | | <input type="checkbox"/> 29. AWARD OF CONTRACT: _____ OFFER DATED _____. YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS: | | | |
| 30a. SIGNATURE OF OFFEROR/CONTRACTOR | | | | 31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER) | | | |
| 30b. NAME AND TITLE OF SIGNER (Type or print) | | 30c. DATE SIGNED | | 31b. NAME OF CONTRACTING OFFICER (Type or print) Michael C. Fox | | 31c. DATE SIGNED | |

| 19. ITEM NO. | 20. SCHEDULE OF SUPPLIES/SERVICES | 21. QUANTITY | 22. UNIT | 23. UNIT PRICE | 24. AMOUNT |
|-----------------|---|-----------------|-------------|-------------------|---------------|
| 0001 | <p>\$52,527.00.</p> <p>This is a Time-and-Materials (T&M) task order with a total ceiling price of \$52,527.00, which the Contractor is not authorized to exceed. The Contractor exceeds at its own risk.</p> <p>The total obligated/funded ceiling amount for this order is currently \$5,000.00. This order is incrementally funded as detailed in Attachment B Summary of Amounts and Ceilings and Attachment B is hereby incorporated (1 page).</p> <p>Contracting Officer's Representative (COR) for this task order: Timothy Sharac, (202)343-9180, Sharac.Timothy@epa.gov.</p> <p>Alternate COR: Melissa Puchalski, (202) 343-9882, Puchalski.Melissa@epa.gov</p> <p>The services of this order are for severable. TOCOR: Greg Beachley Period of Performance: 07/09/2018 to 07/08/2019</p> <p>CASTNET Technical Systems Audit</p> <p>Accounting Info: Continued ...</p> | | | | |

32a. QUANTITY IN COLUMN 21 HAS BEEN

☐ RECEIVED ☐ INSPECTED ☐ ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED: _____

| | | | | |
|---|------------------------|--------------------------------------|---|-----------------------|
| 32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | | 32c. DATE | 32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | |
| 32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE | | | 32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE | |
| | | | 32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE | |
| 33. SHIP NUMBER | 34. VOUCHER NUMBER | 35. AMOUNT VERIFIED CORRECT FOR | 36. PAYMENT | 37. CHECK NUMBER |
| <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL | | | <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL | |
| 38. S/R ACCOUNT NUMBER | 39. S/R VOUCHER NUMBER | 40. PAID BY | | |
| 41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT | | 42a. RECEIVED BY (<i>Print</i>) | | |
| 41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER | | 42b. RECEIVED AT (<i>Location</i>) | | |
| | | 42c. DATE REC'D (YY/MM/DD) | | 42d. TOTAL CONTAINERS |

NAME OF OFFEROR OR CONTRACTOR
WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|--|-----------------|-------------|-------------------|---------------|
| | 18-19-C-58D5-000A45-2505-1858DC8035-001 BFY: 18 EFY: 19 Fund: C Budget Org: 58D5 Program (PRC): 000A45 Budget (BOC): 2505 DCN - Line ID: 1858DC8035-001 Funding Flag: Complete Funded: \$5,000.00 | | | | |

ATTACHEMENT A
Statement of Work

Title: CASTNET Technical Systems Audit

Contract #: EP-W-16-015

Project #: 2009

Period of Performance: 07/09/2018-07/08/2019

EPA Key Personnel

Task Order Project Officer (TOPO):

Timothy Sharac
Clean Air Markets Division (OAP/OAR/CAMD)
1200 Pennsylvania Ave. NW
Mail Code 6204M
Washington, DC 20460
phone: (202) 343-9180
email: sharac.timothy@epa.gov

Alternate TOPO:

Melissa Puchalski
Clean Air Markets Division (OAP/OAR/CAMD)
1200 Pennsylvania Ave. NW
Mail Code 6204M
Washington, DC 20460
phone: (202) 343-9882
email: puchalski.melissa@epa.gov

Contracting Officer (CO):

Mike Fox
Contracting Officer
Administrative Contract Service Center
1200 Pennsylvania Ave N.W.
Mail Code 3803R
Washington DC 20460
phone: (202) 564-2550
email: fox.michael@epa.gov

Contract Level Project Officer:

Melissa Puchalski
Clean Air Markets Division (OAP/OAR/CAMD)
1200 Pennsylvania Ave. NW
Mail Code 6204M
Washington, DC 20460
phone: (202) 343-9882
email: puchalski.melissa@epa.gov

STATEMENT OF WORK

I. INTRODUCTION

The Clean Air Status and Trends Network (CASTNET) is a long-term monitoring network designed to measure acidic pollutants and ambient ozone concentrations in rural areas. CASTNET is managed collaboratively by the Environmental Protection Agency – Clean Air Markets Division (EPA), the National Park Service – Air Resources Division (NPS), and the Bureau of Land Management – Wyoming State Office (BLM-WSO). In addition to EPA, NPS, and BLM-WSO, numerous other participants including tribes, other federal agencies, States, private land owners, and universities provide network support. The EPA contractor, AMEC Foster Wheeler (AMEC), operates the EPA-sponsored sites while the NPS and BLM-WSO contractor, Air Resource Specialists, Inc. (ARS), operates the remaining sites.

II. PURPOSE

CASTNET O₃ data are used to calculate design values for all sites where data completeness requirements are met. The CASTNET program follows QA/QC procedures and schedules to meet the regulatory requirements detailed in OAQPS' Quality Assurance Handbook for Air Pollution Measurement Systems. Volume II Ambient Air Quality Monitoring Program EPA-454/B-17-001 January, 2017. Appendix D. Revision No. 0. https://www3.epa.gov/ttn/amtic/files/ambient/pm25/qa/Final%20Handbook%20Document%201_17.pdf. The required QA/QC protocols include daily zero/span/precision checks, quarterly data submittals to EPA's Air Quality System (AQS) database, annual performance evaluations of the ozone analyzers by an independent auditor, and a 3-year facility technical systems audit (TSA). The purpose of this task is to fulfill the requirement for the TSA at the AMEC-FW facility. An independent auditor will review AMEC-FW's procedures on all aspects of the ozone monitoring program, including data handling, quality assurance procedures and documentations, calibrations and field operations.

III. CONTRACT LEVEL STATEMENT OF WORK REFERENCE

The tasks to be performed under this task order are consistent with the activities authorized in Task 22 (Level of Effort) of the contract's Statement of Work.

IV. TECHNICAL DIRECTION

1. Prepare Work Plan

The Contractor shall prepare a Task Order Proposal in accordance with the terms and conditions of contract clauses B.2 entitled Fixed Rates for Services – Indefinite delivery/Indefinite quantity contract.

2. Technical Systems Audit

The contractor shall prepare for the Technical Systems Audit (TSA) by providing the independent auditor with requested QA documents, SOPs, reports, etc. The independent auditor will prepare three questionnaires (one for the field audit, data management and field laboratory). AMEC-FW should review these questionnaires prior to the TSA and provide any feedback to the auditor.

The field audit will be performed at a CASTNET site selected by AMEC-FW and the independent auditor. AMEC-FW shall coordinate with the site operators at the selected site prior to the independent auditor’s visit.

The contractor shall answer all questions on the three questionnaires and provide any requested information to the auditor during the site visits (at the monitoring site and the AMEC-FW facility).

The independent auditor shall perform the Technical Systems Audit as directed in the QA Handbook Volume II, Section 15.3 (dated 1/2017).
https://www3.epa.gov/ttn/amtic/files/ambient/pm25/qa/Final%20Handbook%20Document%201_17.pdf

3. Reporting

The independent auditor will conduct a brief closeout with AMEC-FW while at the facility. After the TSA is complete, the independent auditor will provide AMEC-FW with a draft report containing the results from the questionnaires. AMEC-FW will provide feedback and provide clarification for any finding reported in the draft report. AMEC-FW will provide a copy of the final report to EPA.

V. DELIVERABLES

1. Work Plan

As described in Task 1.

2. Monthly Progress Report

The contractor shall prepare a monthly progress report by the 15th of each month summarizing the technical and financial status of the task order.

3. Final TSA Report

The contractor shall submit the final TSA report from the independent auditor to EPA by 30 days after the end of the task order period.

VI. SCHEDULE

The work plan shall be delivered within 15 days of issuance of this task order.

Distribution of Deliverables:

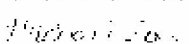
| Addressee | Copies |
|------------------------------------|--------|
| EPA Contracting Officer (Mike Fox) | 1 |
| EPA TOPO (Timothy Sharac) | 1 |
| EPA PO (Melissa Puchalski) | 1 |

ATTACHMENT B
SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

| Total Funding/Obligation Amounts | | | |
|----------------------------------|-----------------|-------------------|-------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | - | \$5,000.00 | \$5,000.00 |
| Total | - | \$5,000.00 | \$5,000.00 |

| Total Task Order Ceiling | | | |
|--------------------------|-----------------|--------------------|--------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | - | \$52,527.00 | \$52,527.00 |
| Total | - | \$52,527.00 | \$52,527.00 |

Note: This task order is incrementally funded in accordance with contract clause B.5 Limitation of Government's Obligation (EPA-B-32-103).

| | | | | | | | |
|--|--|---|--|---|--|--------------------------------|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | | 1. CONTRACT ID CODE | | PAGE OF PAGES | |
| | | | | | | 1 2 | |
| 2. AMENDMENT/MODIFICATION NO. | | 3. EFFECTIVE DATE | | 4. REQUISITION/PURCHASE REQ. NO. | | 5. PROJECT NO. (If applicable) | |
| P00001 | | See Block 16C | | PR-OAR-18-01164 | | 2009 | |
| 6. ISSUED BY | | CODE | | 7. ADMINISTERED BY (If other than Item 6) | | CODE | |
| HPOD | | | | | | | |
| US Environmental Protection Agency | | | | | | | |
| William Jefferson Clinton Building | | | | | | | |
| 1200 Pennsylvania Avenue, N. W. | | | | | | | |
| Mail Code: 3803R | | | | | | | |
| Washington DC 20460 | | | | | | | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) | | | | (x) | | | |
| WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. | | | | | | | |
| Attn: JOSEPH FARRELL | | | | | | | |
| 751 Arbor Way | | | | 9A. AMENDMENT OF SOLICITATION NO. | | | |
| Ste 180 | | | | | | | |
| Blue Bell PA 194221972 | | | | 9B. DATED (SEE ITEM 11) | | | |
| | | | | | | | |
| | | | | x | | | |
| | | | | 10A. MODIFICATION OF CONTRACT/ORDER NO. | | | |
| | | | | EP-W-16-015 | | | |
| | | | | 68HE0H18F1539 | | | |
| | | | | 10B. DATED (SEE ITEM 13) | | | |
| | | | | 06/28/2018 | | | |
| CODE 038086125 | | FACILITY CODE | | | | | |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS | | | | | | | |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. | | | | | | | |
| 12. ACCOUNTING AND APPROPRIATION DATA (If required) | | | | Net Increase: | | \$15,000.00 | |
| See Schedule | | | | | | | |
| 13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14. | | | | | | | |
| CHECK ONE | | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. | | | | | |
| | | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). | | | | | |
| | | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: | | | | | |
| | | D. OTHER (Specify type of modification and authority) | | | | | |
| X | | FAR 52.232 - Limitation of Funds | | | | | |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not. <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office. | | | | | | | |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) | | | | | | | |
| DUNS Number: 038086125 | | | | | | | |
| The purpose of this modification is to add incremental funding in the amount of \$15,000.00 to this task order. | | | | | | | |
| This is a Time-and-Materials (T&M) task order with a total ceiling price of \$52,527.00, which the Contractor is not authorized to exceed. The Contractor exceeds at its own risk. | | | | | | | |
| The total obligated/funded ceiling amount for this order is currently \$20,000.00. This order is incrementally funded as detailed in Attachment B Summary of Amounts and Ceilings and Attachment B is hereby incorporated (1 page). | | | | | | | |
| TOCOR: Greg Beachley | | | | | | | |
| Continued ... | | | | | | | |
| Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect. | | | | | | | |
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) | | | |
| | | | | Michael C. Fox | | | |
| 15B. CONTRACTOR/OFFEROR | | 15C. DATE SIGNED | | 16B. UNITED STATES OF AMERICA | | 16C. DATE SIGNED | |
| (Signature of person authorized to sign) | | | |  (Signature of Contracting Officer) | | 07/27/2018 | |

| | | | |
|---------------------------|---|------|----|
| CONTINUATION SHEET | REFERENCE NO. OF DOCUMENT BEING CONTINUED | PAGE | OF |
| | EP-W-16-015/68HE0H18F1539/P00001 | 2 | 2 |

NAME OF OFFEROR OR CONTRACTOR

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|--|-----------------|-------------|-------------------|---------------|
| | <p>LIST OF CHANGES:</p> <p>Reason for Modification: Funding Only Action</p> <p>Obligated Amount for this Modification: \$15,000.00</p> <p>New Total Obligated Amount for this Award: \$20,000.00</p> <p>Incremental Funded Amount changed: from \$5,000.00 to \$20,000.00</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Obligated Amount for this Modification: \$15,000.00</p> <p>Incremental Funded Amount changed from \$5,000.00 to \$20,000.00</p> <p>FOB changed from Destination to</p> <p>NEW ACCOUNTING CODE ADDED:</p> <p>Account code:</p> <p>18-19-C-58D5-000A45-2505-1858DC8082-001</p> <p>Beginning FiscalYear 18</p> <p>Ending Fiscal Year 19</p> <p>Fund (Appropriation) C</p> <p>Budget Organization 58D5</p> <p>Program (PRC) 000A45</p> <p>Budget (BOC) 2505</p> <p>Job # (Site/Project)</p> <p>Cost Organization</p> <p>DCN-LineID 1858DC8082-001</p> <p>Amount: \$15,000.00</p> <p>Subject To Funding: N</p> <p>Payment Address:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center (AA216-01)</p> <p>109 TW Alexander Drive</p> <p>www2.epa.gov/financial/contracts</p> <p>Durham NC 27711</p> <p>Payment:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center (AA216-01)</p> <p>109 TW Alexander Drive</p> <p>www2.epa.gov/financial/contracts</p> <p>Durham NC 27711</p> <p>Period of Performance: 07/09/2018 to 07/08/2019</p> | | | | |

Contract#: EP-W-16-015
Task Order#: 68HE0H18F1539
Project#: 2009
Modification: P00001

ATTACHMENT B
SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

| Total Funding/Obligation Amounts | | | |
|----------------------------------|-------------------|--------------------|--------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | \$5,000.00 | \$15,000.00 | \$20,000.00 |
| Total | \$5,000.00 | \$15,000.00 | \$20,000.00 |

| Total Task Order Ceiling | | | |
|--------------------------|--------------------|-------------|--------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | \$52,527.00 | - | \$52,527.00 |
| Total | \$52,527.00 | - | \$52,527.00 |

Note: This task order is incrementally funded in accordance with contract clause B.5 Limitation of Government's Obligation (EPA-B-32-103).

| | | | | | |
|--|--|------------------------------------|--|---|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | 1. CONTRACT ID CODE | | PAGE OF PAGES 1 3 | |
| 2. AMENDMENT/MODIFICATION NO. P00002 | | 3. EFFECTIVE DATE See Block 16C | | 4. REQUISITION/PURCHASE REQ. NO. PR-OAR-19-00306 | |
| 5. PROJECT NO. (If applicable) 2009 | | 6. ISSUED BY HPOD | | 7. ADMINISTERED BY (If other than Item 6) CODE | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972 | | (x) | | 9A. AMENDMENT OF SOLICITATION NO. | |
| CODE 038086125 | | FACILITY CODE | | 9B. DATED (SEE ITEM 11) | |
| | | X | | 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-16-015 68HEOH18F1539 | |
| | | | | 10B. DATED (SEE ITEM 13) 06/28/2018 | |

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) Net Increase: \$32,527.00
See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

| | |
|-----------|---|
| CHECK ONE | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. |
| | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: |
| X | D. OTHER (Specify type of modification and authority) FAR 52.232 - Limitation of Funds |

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 038086125

The purpose of this modification is to add incremental funding in the amount of \$32,527.00 to this task order.


This is a Time-and-Materials (T&M) task order with a total ceiling price of \$52,527.00, which the Contractor is not authorized to exceed. The Contractor exceeds at its own risk.

The total obligated/funded ceiling amount for this order is currently \$52,527.00. This order is fully funded as detailed in Attachment B Summary of Amounts and Ceilings and Attachment B is hereby incorporated (1 page).

TOCOR: Greg Beachley InvoiceApprover: timothy sharac Alt Invoice App: melissa puchalski

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

| | | | |
|---|------------------|---|--------------------------------|
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tanya Latson | |
| 15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign) | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer) | 16C. DATE SIGNED 02/27/2019 |

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
EP-W-16-015/68HE0H18F1539/P00002PAGE OF
2 3NAME OF OFFEROR OR CONTRACTOR
WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|---|-----------------|-------------|-------------------|---------------|
| | <p>LIST OF CHANGES:</p> <p>Reason for Modification: Funding Only Action</p> <p>Obligated Amount for this Modification: \$32,527.00</p> <p>New Total Obligated Amount for this Award: \$52,527.00</p> <p>Incremental Funded Amount changed: from \$20,000.00 to \$52,527.00</p> <p>Invoice Approving Official changed to : timothy sharac</p> <p>Alternate Invoice Approving Official changed to : melissa puchalski</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Obligated Amount for this Modification: \$32,527.00</p> <p>Incremental Funded Amount changed from \$20,000.00 to \$52,527.00</p> <p>FOB changed from Destination to</p> <p>NEW ACCOUNTING CODE ADDED:</p> <p>Account code:</p> <p>19-20-C-58D5-000A45-2505-1958DC9017-001</p> <p>Beginning FiscalYear 19</p> <p>Ending Fiscal Year 20</p> <p>Fund (Appropriation) C</p> <p>Budget Organization 58D5</p> <p>Program (PRC) 000A45</p> <p>Budget (BOC) 2505</p> <p>Job # (Site/Project)</p> <p>Cost Organization</p> <p>DCN-LineID 1958DC9017-001</p> <p>Quantity: 0</p> <p>Amount: \$32,527.00</p> <p>Percent: 61.92434</p> <p>Subject To Funding: N</p> <p>Payment Address:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center (AA216-01)</p> <p>109 TW Alexander Drive</p> <p>www2.epa.gov/financial/contracts</p> <p>Durham NC 27711</p> <p>Delivery Location Code: OAR/OAP</p> <p>OAR/OAP</p> <p>US Environmental Protection Agency</p> <p>1200 Pennsylvania Avenue NW</p> <p>Mail Code: 62101J</p> <p>OAR/OAP</p> <p>Washington DC 20460 USA</p> <p>Continued ...</p> | | | | |

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
EP-W-16-015/68HE0H18F1539/P00002

PAGE 3 OF 3

NAME OF OFFEROR OR CONTRACTOR

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|---|-----------------|-------------|-------------------|---------------|
| | Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 07/09/2018 to 07/08/2019 | | | | |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

February 27, 2019

**ATTACHMENT B
SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS**

Contract # EP-W-16-015
Task Order# 68HE0H18F1539
Project#2009
Modification: P00002

| Total Funding/Obligation Amounts | | | |
|----------------------------------|--------------------|--------------------|--------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | \$20,000.00 | \$32,527.00 | \$52,527.00 |
| Total | \$20,000.00 | \$32,527.00 | \$52,527.00 |

| Total Task Order Ceiling | | | |
|--------------------------|--------------------|-------------|--------------------|
| Period | Previous Amount | This Action | Amount |
| Base Period | \$52,527.00 | - | \$52,527.00 |
| Total | \$52,527.00 | - | \$52,527.00 |

NOTE: This task order is incrementally funded in accordance with contract clauses B.5
Limitation of Government's Obligation (EPA-B-32-103).

| | | | | | |
|--|--|------------------------------------|--|---|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | 1. CONTRACT ID CODE | | PAGE OF PAGES 1 2 | |
| 2. AMENDMENT/MODIFICATION NO. P00003 | | 3. EFFECTIVE DATE See Block 16C | | 4. REQUISITION/PURCHASE REQ. NO. | |
| 5. PROJECT NO. (If applicable) 2009 | | 6. ISSUED BY HP0D | | 7. ADMINISTERED BY (If other than Item 6) CODE | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972 | | (X) | | 9A. AMENDMENT OF SOLICITATION NO. | |
| CODE 038086125 | | FACILITY CODE | | 9B. DATED (SEE ITEM 11) | |
| | | X | | 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-16-015 68HE0H18F1539 | |
| | | | | 10B. DATED (SEE ITEM 13) 06/28/2018 | |

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Schedule Net Decrease: -\$2,629.08

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

| | |
|-----------|---|
| CHECK ONE | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. |
| | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: |
| X | D. OTHER (Specify type of modification and authority) EPA-B-103 - LIMITATION OF GOVERNMENT'S OBLIGATION |

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
DUNS Number: 038086125
The purpose of this modification is to de-obligate funding in the amount of \$2,629.08 from this task order.

LIST OF CHANGES:
Reason for Modification: Funding Only Action
Obligated Amount for this Modification: -\$2,629.08
New Total Obligated Amount for this Award: \$49,897.92
Incremental Funded Amount changed: from \$52,527.00 to \$49,897.92

Continued ...

| | | | |
|---|------------------|--|--------------------------------|
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Michael C. Fox | |
| 15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign) | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA (Signature of Contracting Officer) | 16C. DATE SIGNED 07/17/2019 |

Previous edition unusable

| | | | |
|---------------------------|---|------|----|
| CONTINUATION SHEET | REFERENCE NO. OF DOCUMENT BEING CONTINUED | PAGE | OF |
| | EP-W-16-015/68HE0H18F1539/P00003 | 2 | 2 |

NAME OF OFFEROR OR CONTRACTOR

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|--|-----------------|-------------|-------------------|---------------|
| | <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Obligated Amount for this Modification: -\$2,629.08</p> <p>Incremental Funded Amount changed from \$52,527.00 to \$49,897.92</p> <p>CHANGES FOR ACCOUNTING CODE:</p> <p>19-20-C-58D5-000A45-2505-1958DC9017-001</p> <p>Amount changed from \$32,527.00 to \$29,897.92</p> <p>Payment:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center (AA216-01)</p> <p>109 TW Alexander Drive</p> <p>www2.epa.gov/financial/contracts</p> <p>Durham NC 27711</p> <p>Period of Performance: 07/09/2018 to 07/08/2019</p> | | | | |